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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 166.433 Seconds
(without alignments)
3944.566 Million cell updates/sec

Title: US-09-939-853A-74
Perfect score: 1183
Sequence: 1 agtttagatccaaaggaccc.....tccttggatgtatgcctag 1183

Scoring table: IDENTITY_NUC
GAPOP 10_0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/pdata/2/ina/5A_COMB.seq:
2: /cgn2_6/pdata/2/ina/5B_COMB.seq:
3: /cgn2_6/pdata/2/ina/6A_COMB.seq:
4: /cgn2_6/pdata/2/ina/6B_COMB.seq:
5: /cgn2_6/pdata/2/ina/PCTs_COMB.seq:
6: /cgn2_6/pdata/2/ina/backfile1.seq:*

Pred. No. is the number of results Predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	123	10.4	2015	4 US-09-023-655-1105	Sequence 1105, Ap
2	119.4	10.1	2298	4 US-09-023-655-1158	Sequence 1158, Ap
3	110	9.3	2354	4 US-09-023-655-1080	Sequence 1080, Ap
4	107.4	9.1	2129	4 US-09-016-431-1452	Sequence 1452, Ap
5	101	8.5	675	1 US-08-707-793A-3	Sequence 3, Appli
6	101	8.5	675	1 US-08-707-794A-3	Sequence 3, Appli
7	92.6	7.8	2435	4 US-09-023-655-1313	Sequence 1313, Ap
8	91	7.7	2647	4 US-09-220-132-77	Sequence 77, Appli
9	91	7.7	2647	5 PCT-US93-0621-77	Sequence 77, Appli
10	90.8	7.7	1611	1 US-07-880-011A-3	Sequence 3, Appli
11	90.8	7.7	1611	2 US-09-860-473-3	Sequence 3, Appli
12	90.8	7.7	1611	5 PCT-US93-00445-3	Sequence 3, Appli
13	89.6	7.6	1626	1 US-09-860-471-10	Sequence 10, Appli
14	80.4	6.8	1602	1 US-07-820-011A-1	Sequence 1, Appli
15	80.4	6.8	1602	5 PCT-US93-00445-1	Sequence 1, Appli
16	80.4	6.8	1759	4 US-09-470-881-2	Sequence 2, Appli
17	71	6.0	1491	2 US-09-006-671-1	Sequence 1, Appli
18	71	6.0	1491	3 US-09-228-603A-1	Sequence 1, Appli
19	68.4	5.8	282	2 US-09-006-675-5	Sequence 5, Appli
20	68.4	5.8	282	3 US-09-228-603A-5	Sequence 5, Appli
21	60.4	5.1	4517	4 US-09-470-881-7	Sequence 7, Appli
22	60.4	5.1	4517	5 PCT-US93-0621-83	Sequence 5, Appli
23	59.4	5.0	874	4 US-09-023-655-931	Sequence 931, App
24	55.8	4.7	1467	4 US-09-579-182-2	Sequence 2, Appli
25	55.8	4.7	1548	4 US-09-053-1	Sequence 1, Appli
26	48	4.1	144	5 PCT-US93-06251-13	Sequence 13, Appli
27	46	3.9	190	5 PCT-US93-06251-14	Sequence 14, Appli

ALIGNMENTS

RESULT 1
US-09-023-655-1105
; Sequence 1105, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stewart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZEP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC DOS/MS-DOS
; CURRENT APPLICATION NUMBER: US/09/023, 655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-1166
; INFORMATION FOR SEQ ID NO: 1105:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2015 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: 9183911
; US-09-023-655-1105
Query Match 10.4%; Score 123; DB 4; Length 2015;

COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/023, 655
 FILING DATE: HERewith
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Zeller, Karen J.
 REGISTRATION NUMBER: 37, 071
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 845-4166
 TELEFAX: (650) 845-0555
 INFORMATION FOR SEQ ID NO: 1,080:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2354 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLONE: 9182573
 US-09-023-655-1080

Query Match 9.3%; Score 110; DB 4; Length 2354;
 Best Local Similarity 56.2%; Prod. No. 9.2e-21;
 Matches 234; Conservative 0; Mismatches 170; Indels 12; Gaps 1;

Qy 590 GATGGAGACTGGGACCTGCCTCTAAAGTCTCACCAAGAGATAAACATCCCAAGC 649
 Db 478 GAGGTGACTGGGAAGCTCGTCAGTCCGAAAAACTGGCTGATTCCAGC 537

Qy 650 GTCCACGGATCAAAGT-----CTCCCCATGGGTCTGTATGGGCCCTGAGC 697
 Db 538 AACTACGTGCCCTGTTGACTGAATCCAACTGGTAAGTGGTCAAGTGG 597

Qy 698 AGGGAAAGCAGAGGAATCTGGTACCTGGAAACCCTGGAGGGCTTCCTCATC 757
 Db 598 AGAAAAGGTGAGGAGGCACTGGCTTACAGGCAACCCCAAGGGGCCCTTCAT 657

Qy 758 CGGGAGGAGCAGCCATCTGAGGAGGCTCTGACTCTGAGCTGGCTGCTGCA 817
 Db 658 CGGGAAAGGAGCAGCCAAAGTGCCATTCTGGGACTCTGGGATAGAACCC 717

Qy 818 TCCCTGGGACCCGATGACAACTACAGGATCCACTGGCTTGACATGGCTGATC 877
 Db 718 AGGGGATCATGTCAGATGAACTACAGTGGAAATGGATGGGGGTGACTACATC 777

Qy 878 TCACCGCCCTCACCTTCCCTGACTCAAGGGCCCTGGTGGACCTGGCG 937
 Db 778 ACCACACGGGTCAGTAACTGGAGGTGAGCTGAGCACTACATGGGTGAT 837

Qy 938 GATGACATCTGCCTCTAAGTCAAGTGGACCTGGGACTCTGAGCTGGCG 993
 Db 838 GACGGGTGCAACCTGCTCATGGCCCTGACCATCATGAAGCCAGCGT 893

RESULT 4
 US-09-016-434-1452
 Sequence 1452, Application US/09016434
 Patent No. 6500938
 GENERAL INFORMATION:
 APPLICANT: Janice Au-Young
 APPLICANT: Jeffrey J. Seithamer

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
 TITLE OF INVENTION: PATHWAY GENE EXPRESSION
 NUMBER OF SEQUENCES: 1490
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 STREET: 3174 PORTER DRIVE
 CITY: PALO ALTO
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/016, 434
 FILING DATE: HERewith
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Zeller, Karen J.
 REGISTRATION NUMBER: 37, 071
 REFERENCE/DOCKET NUMBER: PA-0002 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 855-0555
 TELEFAX: (650) 845-4166
 INFORMATION FOR SEQ ID NO: 1452:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2129 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLONE: 9773207
 US-09-016-434-1452

Query Match 9.1%; Score 107.4; DB 4; Length 2129;
 Best Local Similarity 53.2%; Prod. No. 4.9e-21;
 Matches 259; Conservative 0; Mismatches 216; Indels 12; Gaps 1;

Qy 510 TGGCCTGGCAGTTCCTGGAGGTGGCCGGAGCTGTCCTGAGACTCGGGAC 569
 Db 259 TCGCTCTGCACGCTATGAGCCCTCTCAAGCAGGAACTCGGGAC 318

Qy 570 CATTACCATGTCCTGAGATGGCTGAGCTGCTGAGTCTCAGGAA 629
 Db 319 AGCTCGCTCTGGAGCAGGCGCTGCTGGAAAGCGCAGTCCCTGACCAAGGGCC 378

Qy 630 GAGAGTAAACATCCCAGGTCCAAGTGGCAA-----GTCCTCCATGGGT 677
 Db 379 AGGAAGGCTCATCCCTCAATTGTGGCCAAAGGAAAGCTGAGGCCAACCT 438

Qy 678 GGCTGTATGAGGGCTGAGCAGGGAAAGCAGGAATCTGCTGTATCCCTGGAA 737
 Db 439 GGTCTTCAAGAACCTGAGCCGAAAGGGGATCGCTGCGCCGGAA 498

Qy 738 CTGGGGGGCTTCCTCATCGGAAAGCTGAGGCTCTGACTCTGCTGAG 797
 Db 499 CTCAAGGCTCTCTCATCGGGAAAGGGGATCGCTGCTGCGCCGGAA 558

Qy 798 TCCGGCTCAAGCCCTGATCTGGACCTAGGGATCAAGGATCCACTGGCTTG 857
 Db 559 TCCGGGACTCTGAGCTGAGGAGCTGGAACTTACAAGTCCGTAATCTGG 618

Qy 858 ACAATGGCTGCTGATCATCTCACGGCCTCACCTCCCTACTCCAGGCTCTGG 917
 Db 619 ACAACGGTGGCTCTCATCTCCCTGATGAACTCATCTGGGGCT 678

Query Match 918 ACCATTACTGAGCTGGGATGACATCTGCTGCTACTCAAGGAGCCCTGTGTCCTGC 977
 Database 679 CGCCATTACCGCCATGGCTGACATGGCTGTGACACGGTGAAGCC 738

Query Match 918 AGGGGC 984
 Database 739 AGAGCC 745

RESULT 5 US-08-707-793A-3
 Sequence 3, Application US/08707793A
 Patent No. 5783190

GENERAL INFORMATION:
 APPLICANT: SALONE, SCOTT P.
 ADDRESS: Merck & Co., Inc.
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065-0900
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/707,793A
 FILING DATE: 04-SEP-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 ATTORNEY/AGENT INFORMATION:
 NAME: Camara, Valerie J
 REGISTRATION NUMBER: 35,090
 REFERENCE/DOCKET NUMBER: 19494
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 908-594-3902
 TELEX/FAX: 908-594-4720

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 675 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Genomic DNA

US-08-707-793A-3

Query Match 917 GACCATTACTCTGAGCTGGGATGACATCTGCTACTCAAGGAGCCCTGTGTCCTGC 969
 Database 613 CGCCATTACCGCCATGGCTGACATGGCTGTGACACGGTGAAGCC 665

RESULT 6 US-08-707-792A-3
 Sequence 3, Application US/08707792A
 Patent No. 5783190

GENERAL INFORMATION:
 APPLICANT: MARCY, ALICE
 ADDRESS: Merck & Co., Inc.
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065-0900
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/707,792A
 FILING DATE: 04-SEP-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Camara, Valerie J
 REGISTRATION NUMBER: 35,090
 REFERENCE/DOCKET NUMBER: 19524
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 908-594-3902
 TELEX/FAX: 908-594-4720

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 675 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Genomic DNA

US-08-707-792A-3

Query Match 8.5%; Score 101; DB 1; Length 675;
 Best Local Similarity 59.0%; Pred. No. 2e-19;
 Matches 173; Conservative 0; Mismatches 120; Indels 0; Gaps 0;

Query Match 677 TGGTGTATGGGCCCTGAGCAGGAGAAAGCAACTCTGTACCTGTGTTACTCTGTCA 736
 Database 373 TGCTGAGGGCCCTCTTCAAGAACCTGAGCCAAAGGAAGGGGAGGGAGGAAAC 432

Query Match 737 CCTGGAGGGCCCTCTTCAAGAACCTGAGCCAAAGGAAGGGGAGGTTACTCTGTCA 796
 Database 433 ACTCACGGCTCTTCTCTCATCCGGAGGAGGAGGAGGATGTGTTACGTGTC 492

Query Match 797 GTCCGCTCTGAGCCCTGCTGATCTGGACGGGATCAAGACATAAGGAACTCC 856
 Database 493 GTCCGGAGCTTGAGCAAGGAGGGAGGAGGAGGATGTGAACTCTGTAATCTG 552

Query Match 857 GACATGGCTGGCTGACTCTACGGCCCTCACCTCCCTCACCTCCAGGGCTGTG 916
 Database 553 GACACGGTGGCTCATCTCCCTGAAATCACTTCCGGCTGATGACTGTC 612

RESULT 7

Qy 917 GACCATTACTTGAGCTGGGATGACATCGTGTACTCAAGGGCTG 969
Db 613 CGCCATTACCAATGTTCAAGTGCCATGGCTGACCGTTGAGCTG 665

Qy 912 TGGTGACCAATTACTCTAGCTGGGATGACATCTGCTGCCCTACTCAAGGAGCCCTGT 970
Db 1050 TTGTACACATTACAGAGCTGAGGTCTGTGCCCTACTAGTCCCTGT 1108

RESULT 8

US-09-220-132-77 ; Sequence 77, Application US/09220132
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; ATTORNEY: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 For Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREDITA
; CLASSIFICATION: PC-DOS/MS-DOS
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 845-4166
; FAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1313:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2435 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: Linear
; IMMEDIATE SOURCE:
; LIBRARY: GENbank
; CLONE: 9338227
; US-09-023-655-1313

Qy 7.8% ; Score 92.6; DB 4; Length 2435;
Best Local Similarity 56.9%; Pred. No. 9.6e-17;
Matches 170; Conservative 0; Mismatches 129; Indels 0; Gaps 0;

Qy 672 ATGGTGCTGTATGGGCCCTGAGCAGGGAGAAAGGAGGACTGCTGTACTGT 731
Db 810 AAAGTGTACTTTGAAACTTGGCCAAAGATGTTGGCACGCTATTGCTTG 869

Qy 732 GGAAACCTGGAGGGCTTCCTGATCCGGAGAGCAGACGGATCACTTCCTC 791
Db 1079 GAAACCCAAGAGGTAACTTCTATCCGGAGATGAAACCCAAAGTCCTTAC 1138

Qy 792 TGTCATGGCCTTAGGCCCTCTGATCTGGACCGATCAGACTACAGATCCACT 851
Db 1139 TTTCATCGGTGATTGGATGATAAGGAGACATGTCAAACATTATAAAATCSA 1198

Qy 852 GCCTTGACATGGCTGGCTGATCATCTACCGGCCTCACTCCGAGGCC 911
Db 1199 AACTTGACATGGTGATGACTATACACCGGGCCAGTTGAAACACTTCAGCAGC 1258

Qy 912 TGGTGACCAATTACTCTAGCTGGGATGACATCTGCTGCCCTACTCAAGGAGCCCTGT 970
Db 1259 TTGTACACATTACAGAGCTGAGGTCTGTGCCCTACTAGTCCCTGT 1317

RESULT 9

PCT-US93-06251-77 ; Sequence 77, Application PC/TUS9306251
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eric and Rife, Jason P.
; TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: NY
; COUNTRY: US
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

Qy 792 TGTCAGTCGGCTCAGGCCCTGCACTGGACAGACTACAGGATCCACT 851
Db 930 TTTCATCGGTGATTGGATGATAAGGAGACATGTCAAACATTATAAAATCGCA 989

Qy 852 GCCTTGACATGGCTGGCTGATCATCTACCGGCCTCACTCCGAGGCC 911
Db 990 AACTTGACATGGTGATGACTATACACCGGGCCAGTTGAAACACTTCAGCAGC 1049

SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/06251
 FILING DATE: 19930630
 CLASSIFICATION INFORMATION:
 NAME: DIGI10, Frank S.
 REGISTRATION NUMBER: 31,346
 REFERENCE/DOCKET NUMBER: 8596
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 516-742-4343
 TELEX: 516-742-4366
 TELE: 230 901 SANS UR
 INFORMATION FOR SEQ ID NO: 77:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2647 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 PCT-US93-06251-77

	Query	Match	Score	Length	Best Local Similarity	Pred.	No.	Mismatches	Indels	Gaps	;	
Qy	672	ATGGGTGGCTGTATGAGGGCTGAGGAGGGAAACAGACGAATCTGCCTTGTGTTACCTG	731	7.7%	56.5%	DB 5;	Length 2647;					
Db	1019	AAGAGGTGTACTTTGAAAACTTGGCGAAGAAGTGTGAGCAAGCTATTGTCTTGTG	1078									
Qy	732	GGAAACCTCTGGAGGGCCCTTCCTCATCGGGAGAGCCAGAACAGAGGCTCTACTCTC	791									
Db	1079	GAAACCAAAGAGGTACCTTCTTCTATCGGAGTAAACCCAAGGGCCPATTCAC	1138									
Qy	792	TGTCAAGTCGGCTCTGAGCGCCCTGATCCTGGACGGATCAGACACTACAGGATCACT	851									
Db	1139	TTCTTATCCGGTATGGGATGATAAGGAGACCATGTCAAACATTAAAAATTGGCA	1198									
Qy	852	GCCTTGACAAATGGCTGCTGTACATTCACGGGCCCTCACCTTCCCCTACCTCAGGCC	911									
Db	1199	AACTTGACAAATGGTGGATACTACATTAACCCGGCCAGTTGAAACACTTCAGCAGC	1258									
Qy	912	TGTGGACCAATTACTTGACTGTGGCCGATGACATCTGCTGCCTACTCAAGGCTGT	970									
Db	1259	TTGTAACACATTACTAGAGAGGTGCAAGTCTGCTGCGCTTAGTGTCCCTGT	1317									

RESULT 10

	US-07-820-011A-3	Sequence 3, Application US/07820011A
		Patent No. 5376115
		GENERAL INFORMATION:
		APPLICANT: Bell, Leonard A.
		APPLICANT: Madi, Joseph A.
		APPLICANT: Warren, Stephen L.
		APPLICANT: Lubringer, Daniel J.
		TITLE OF INVENTION: Genetically Engineered
		TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced
		TITLE OF INVENTION: Migration
		TITLE OF INVENTION: and Plasminogen Activator Activity
		NUMBER OF SEQUENCES: 4
		CORRESPONDENCE ADDRESS:
		ADDRESSEE: Maurice M. Klee
		STREET: 1951 Burr Street
		CITY: Fairfield
		STATE: Connecticut
		COUNTRY: USA
		ZIP: 06430
		COMPUTER READABLE FORM:
		MEDIUM TYPE: 5.25 inch, 360 Kb storage
		COMPUTER: IBM PC XT
		OPERATING SYSTEM: PC-DOS/MS-DOS 2.10
		SOFTWARE: DnaMaster 3

RESULT 11
 US-09-860-473-3
 i Sequence 3, Application US/09860473
 i Patent No. 6656732
 i GENERAL INFORMATION:
 i APPLICANT: C. Frank Bennett
 i TITLE OF INVENTION: ANTISENSE MODULATION OF SRC-C EXPRESSION
 i FILE REFERENCE: RIS-0222
 i CURRENT APPLICATION NUMBER: US/09/860,473
 i CURRENT FILING DATE: 2001-05-18
 i NUMBER OF SEQ ID NOS: 169
 i SEQ ID NO 3
 i LENGTH: 1611
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 i FEATURE:
 i NAME/KEY: CDS
 i LOCATION: (1)...(1611)
 i US-09-860-473-3

Query Match 7.7% Score 90.8; DB 4; Length 1611;
 Best Local Similarity 53.4%; Pred. No. 2,6e-16;
 Matches 222; Conservative 0; Mismatches 182; Indels 12; Gaps 1;
 Qy 556 GAGACTCGGGGCCATTGACCATCGTCTCTGAGGATGGAGACTGGTGAGGGTGTGTC 615
 Db 318 GAAAGGCCAGGCGCTCCAGATTCTCAAAACACAGAGGAGACTGTGTGCGCCACTC 377
 Qy 616 TGAAGTCAGGAGAGGTATAACATCCCAGGTGTCAGTGTGTCAGTGTGTCAGTGTG 663
 Db 378 GTCAGCACAGGAGAGGTATACTCCAGCAACTACCTGGCTGAGCAAGAGAAGACTGTGTT 437
 Qy 664 AGTCTCCCATGGGCGCTGTATAGGCCCTGAGCAAGAGAAGACTGTGTT 723
 Db 438 CCAGGCTGAGGAGTGTGTTGGCAAGATCAGAGGGTGTGTCAGCGGTATGTG 497
 Qy 724 GTTACCTGGAACCTGGAGGGCCCTCTCATCGGGAGGCCAGACAGAGGGCTC 783
 Db 498 CAATGCAAGGAAACCGAAGGACCTTCCTGAGAACAGTGAAGCTGAGAAAGTGC 557
 Qy 784 TTACTCTGTCAGTCAGTGTGACTGTGACTTCAGGACGCGATCAGACATACAG 843
 Db 558 CTACTGCCTCTCACTGTGACTTCAGGACGCGCGCTCTACATCCTGGACGCGATCAGACATACAG 617

RESULT 12
 PCT-US93-00445-3
 i Sequence 3, Application PCT/US93/00445
 i GENERAL INFORMATION:
 i APPLICANT: Bell, Leonard A.
 i APPLICANT: Madri, Joseph A.
 i APPLICANT: Warren, Stephen L.
 i APPLICANT: Luthringer, Daniel J.
 i TITLE OF INVENTION: Genetically Engineered
 i NUMBER OF SEQUENCES: 4
 i CORRESPONDENCE ADDRESS:
 i ADDRESS: Maurice M. Klee
 i STREET: 1911 Burr Street
 i CITY: Fairfield
 i STATE: Connecticut
 i COUNTRY: USA
 i ZIP: 06430
 COMPUTER READABLE FORM:
 i MEDIUM TYPE: 3.5 inch, 760 Kb storage
 i COMPUTER: DELL 486/50
 i OPERATING SYSTEM: DOS 5.0
 i SOFTWARE: Displaywrite 3
 CURRENT APPLICATION DATA:
 i APPLICATION NUMBER: PCT/US93/00445
 i FILING DATE: 07/03/105
 i CLASIFICATION:
 i PRIOR APPLICATION DATA:
 i APPLICATION NUMBER: 07/820, 011
 i FILING DATE: 06-JAN-1992
 i ATTORNEY/AGENT INFORMATION:
 i NAME: Klee, Maurice M.
 i REGISTRATION NUMBER: 30,399
 i TELECOMMUNICATION INFORMATION:
 i TELEPHONE: (203) 255 1400
 i TELEFAX: (203) 254 1101
 i INFORMATION FOR SEQ ID NO: 3:
 i SEQUENCE CHARACTERISTICS:
 i LENGTH: 1611
 i TYPE: NUCLEIC ACID
 i STRANDEDNESS: Double
 i TOPOLOGY: Linear
 i MOLECULE TYPE: cDNA to mRNA
 i HYPOTHETICAL: No
 i ANTI-SENSE: No
 i ORIGINAL SOURCE:
 i ORGANISM: Homo sapiens
 i POSITION IN GENOME:
 i CHROMOSOME SEGMENT: Chromosome 20
 i PUBLICATION INFORMATION:
 i AUTHORS: Anderson, Stephen K.
 i AUTHORS: Gibbs, Carol P.
 i AUTHORS: Tanaka, Akio
 i AUTHORS: Kung, Hsing-Jien
 i AUTHORS: Fujita, Donald J.
 i TITLE: Human Cellular src Gene:
 i AUTHORS: Gibbs, Carol P.
 i TITLE: Nucleotide Sequence and Derived Amino Acid Sequence of the Region Coding for the Carboxy-Terminal Two-Thirds of
 i TITLE: pp66c-src
 i VOLUME: 5
 i ISSUE: 5
 i PAGES: 1122-1129
 i DATE: May, 1985
 i PUBLICATION INFORMATION:
 i AUTHORS: Tanaka, Akio
 i AUTHORS: Gibbs, Carol P.
 i AUTHORS: Arthur, Richard R.
 i AUTHORS: Anderson, Stephen K.
 i AUTHORS: Kung, Hsing-Jien
 i AUTHORS: Fujita, Donald J.

Query Match 7.7%; Score 90.8; DB 5; Length 1611;
 Best Local Similarity 53.4%; Pred. No. 2.6e-16;
 Matches 222; Conservative 0; Mismatches 182; Indels 12; Gaps 1;

Qy 556 GAGACTGGGAGGCACTGACCATGCGTCTCAGGAGACTGGAGGTGTC 615
 Db 318 GAAAGGGGAGGGCTCCAGATTCAAAACAGGAGACTGGCTGGCCACTC 377

RESULT 14
 US-07-820-011A-1
 ; Sequence 1, Application US/07820011A
 ; GENERAL INFORMATION:
 ; APPLICANT: Bell, Leonard
 ; APPLICANT: Madri, Joseph A.
 ; APPLICANT: Warren, Stephen L.
 ; APPLICANT: Luthringer, Daniel J.
 ; GENETICALLY Engineered
 ; TITLE OF INVENTION: Endothelial Cells Exhibiting Enhanced
 ; TITLE OF INVENTION: Migration
 ; TITLE OF INVENTION: Plasminogen Activator Activity
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Maurice M. Klee
 ; STREET: 1951 Burr Street
 ; CITY: Fairfield
 ; STATE: Connecticut
 ; COUNTRY: USA
 ; ZIP: 06430
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 5.25 inch, 360 Kb storage
 ; OPERATING SYSTEM: PC-DOS/MS-DOS 2.10
 ; SOFTWARE: Displayrite 3
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/820.011A
 ; FILING DATE: 19920106
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Klee, Maurice M.
 ; REGISTRATION NUMBER: 30,399
 ; REFERENCE/DOCKET NUMBER: LB-101
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (203) 255 1400
 ; TELEFAX: (203) 254 1101
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1602 base pairs
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: Double
 ; TOPOLOGY: Linear
 ; MOLECULE TYPE: cDNA to mRNA
 ; HYPOTHETICAL: No
 ; ANTI-SENSE: No
 ; ORIGINAL SOURCE:
 ; ORGANISM: Gallus, gallus
 ; PUBLICATION INFORMATION:
 ; AUTHORS: Takeya, Tatsuo
 ; AUTHORS: Hanafusa, Hidesaburo
 ; TITLE: Structure and Sequence of the
 ; TITLE: Cellular Gene Homologous to the RSV src
 ; TITLE: Gene and the Mechanism for Generating the
 ; TITLE: Transforming Virus

Query Match 7.6%; Score 89.6; DB 4; Length 1626;
 Best Local Similarity 56.9%; Pred. No. 5.e-16;
 Matches 164; Conservative 0; Mismatches 124; Indels 0; Gaps 0;

Qy 672 ATGGGTGGTGTATGGGGCTTAGCAGGAGAAAGAGAACTGCTGTGTACCTG 731
 Db 461 AGGAGTGGTACTTTGGCAAATGAGCACTAGCGGAATAGGGCTGCTCAAGGCCG 520

JOURNAL: Cell
 VOLUME: 32
 PAGES: 881-890
 DATE: March, 1983
 US-07-320-01A-1

Query Match Similarity 6.8%; Score 80.4; DB 1; Length 1602;
 Best Local Similarity 54.4%; Pred. No. 2, 6e-13; Mismatches 136; Indels 0; Gaps 0;
 Matches 162; Conservative 0;

Qy 672 ATGGTGGCTGTATGAGGCCCTAGAGCAGGAAGCAAGGAAACTCGCTGTGTACCTG 731
 Db 437 AAGATGGTACTTGGNAGATACTCGGAGTCGGAGTCCAGGGCTAACCCG 496

Qy 732 GGAACTCTGGAGGGCCTTCCTCATCGGGAGCCAGACCAGGAGGGCTTACTCTC 791
 Db 497 AAAACCCCGGAAACCTCTGTGGAGGAGAGCAAGGCCAAAGGGCTATTGCC 556

Qy 792 TGTCACTCGCCTAGGCCCTGCATCTGGACAGACTACAGGATCCACT 851
 Db 557 TCRCGTTCTGACTTACAAGCCAAAGGGCTCAATGTGAGGACTACAGATCCGA 616

Qy 852 GCCTTGAAATGCTGGTGTACATCTACGGCTCACCTCCCTCACCCAAGGCC 911
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Qy 912 TGGTGGACCATTAATCTCTAGTCTGGATGACATCTGGCTTACTCAAGGAGCCTG 969
 Db 677 TGGTGGCTACTACTCCAAACATGGTGTGGCTGACCGCTCACCAACGTTG 734

RESULT
 PCT-US3-00445-1
 Sequence 1, Application PC/TUS9300445
 GENERAL INFORMATION:
 APPLICANT: Bell, Leonard
 APPLICANT: Madri, Joseph A.
 APPLICANT: Warren, Stephen L.
 APPLICANT: Lichtenberger, Daniel J.
 TITLE OF INVENTION: Genetically Engineered
 TITLE OF INVENTION: Endothelial Cells
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Maurice M. Klee
 STREET: 1951 Burr Street
 CITY: Fairfield
 STATE: Connecticut
 COUNTRY: USA
 ZIP: 06430

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 760 Kb storage
 COMPUTER: DELL 486/50
 OPERATING SYSTEM: DOS 5.0
 SOFTWARE: Displaywrite 3

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/TUS93/00445
 FILING DATE: 19930105
 CLASSIFICATION:
 APPLICATION NUMBER: 07/820,011
 FILING DATE: 06-JAN-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Klee, Maurice M.
 REGISTRATION NUMBER: 30,399
 REFERENCE/DOCKET NUMBER: ALX-101PCT
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (203) 255 1400
 TELEFAX: (203) 254 1101
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1602 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: Double

TOPOLOGY: Linear
 MOLECULE TYPE: cDNA to mRNA
 HYPOTHETICAL: No
 ANTI-SENSE: No
 ORIGINAL SOURCE:
 ORGANISM: Gallus, gallus
 PUBLICATION INFORMATION:
 AUTHORS: Takeya, Tatsu
 AUTHORS: Hanafusa, Hidesaburo
 TITLE: Structure and Sequence of the Cellular Gene Homologous to the RSV src Gene and the Mechanism for Generating the Transforming Virus
 JOURNAL: Cell
 VOLUME: 32
 PAGES: 881-890
 DATE: March, 1983
 PCT-US93-00445-1

Query Match 6.8%; Score 80.4; DB 5; Length 1602;
 Best Local Similarity 54.4%; Pred. No. 2, 6e-13;
 Matches 162; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

Qy 672 ATGGTGGCTGTATGAGGCCCTAGAGCAGGAAGCAAGGAACTCGCTGTGTACCTG 731
 Db 437 AAGATGGTACTTGGNAGATACTCGGAGTCGGAGTCCAGGGCTAACCCG 496

Qy 732 GGAACTCTGGAGGGCCTTCCTCATCGGGAGCCAGACCAGGAGGGCTTACTCTC 791
 Db 497 AAAACCCCGGAAACCTCTGTGGAGGAGAGCAAGGCCAAAGGGCTATTGCC 556

Qy 792 TGTCACTCGCCTAGGCCCTGCATCTGGACAGACTACAGGATCCACT 851
 Db 557 TCRCGTTCTGACTTACAAGCCAAAGGGCTCAATGTGAGGACTACAGATCCGA 616

Qy 852 GCCTTGAAATGCTGGTGTACATCTACGGCTCACCTCCCTCACCCAAGGCC 911
 Db 617 AGCTGGAAAGGGGGCTCTACATACCTCACGACAACGTCAGGGCTGAGCAG 676

Qy 912 TGGTGGACCATTAATCTCTAGTCTGGATGACATCTGGCTTACTCAAGGAGCCTG 969
 Db 677 TGGTGGCTACTACTCCAAACATGGTGTGGCTGACCGCTCACCAACGTTG 734

Qy 792 TGTCACTCGCCTAGGCCCTGCATCTGGACAGACTACAGGATCCACT 851
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Qy 852 GCCTTGAAATGCTGGTGTACATCTACGGCTCACCTCCCTCACCCAAGGCC 911
 Db 617 AGCTGGAAAGGGGGCTCTACATACCTCACGACAACGTCAGGGCTGAGCAG 676

Qy 912 TGGTGGACCATTAATCTCTAGTCTGGATGACATCTGGCTTACTCAAGGAGCCTG 969
 Db 677 TGGTGGCTACTACTCCAAACATGGTGTGGCTGACCGCTCACCAACGTTG 734

Search completed: July 24, 2004, 23:36:00
 Job time : 168.433 secs



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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 20:04:06 ; Search time 959.828 Seconds

(without alignments)
6024.889 Million cell updates/sec

Title: US-09-939-853A-74

Perfect score: 1183

Sequence: 1 agtttagatgtccaaaggacc.....tctctttggatgtatgcctag 1183

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched:

3216467 seqs, 2444149694 residues

Total number of hits satisfying chosen parameters:

6432934

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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18: /cgn2_6/ptodata/1/pubna/US60_NEW_PUB.seq:*
19: /cgn2_6/ptodata/1/pubna/US60_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1183	100.0	1183	13 US-09-939-853A-74	Sequence 74, Appl
2	1183	100.0	1183	13 US-09-939-853A-76	Sequence 76, Appl
3	784.4	66.3	785	15 US-10-0353-10930	Sequence 1, Appl
4	775.4	65.5	864	10 US-09-834-353-17302	Sequence 21303, A
5	758.2	64.1	763	9 US-09-867-550-953	Sequence 953, APP
6	724.2	61.2	1413	17 US-10-115-635-120	Sequence 120, APP
7	348	29.4	444	9 US-09-867-550-951	Sequence 951, APP
8	341	28.8	875	9 US-09-867-550-1915	Sequence 1915, AP
9	213.4	18.0	320	10 US-09-814-353-17314	Sequence 17314, A
10	157.4	13.3	2665	9 US-09-954-456-499	Sequence 499, APP
11	157.4	13.3	2665	13 US-10-312-887-13112	Sequence 1312, APP
12	157.4	13.3	2665	13 US-10-112-118-13112	Sequence 1312, APP
13	157.4	13.3	3756	14 US-10-002-600-91	Sequence 91, Appl
14	141.6	12.0	432	9 US-09-864-761-2829	Sequence 2829, AP

ALIGNMENTS

RESULT 1	US-09-939-853A-74	Sequence 74, Application US/0939853A
		/ Publication No. US2004039163A1
		/ GENERAL INFORMATION:
		/ APPLICANT: Burgess, et al.
		/ TITLE OF INVENTION: No. US2004039163A1 Proteins and Nucleic Acids Encoding Same
		/ CURRENT APPLICATION NUMBER: US/09-939, 853A
		/ FILE REFERENCE: 21402-099
		/ CURRENT FILING DATE: 2001-08-27
		/ PRIOR APPLICATION NUMBER: 60/228, 191
		/ PRIOR FILING DATE: 2000-08-25
		/ PRIOR APPLICATION NUMBER: 60/267, 300
		/ PRIOR FILING DATE: 2001-02-08
		/ PRIOR APPLICATION NUMBER: 60/269, 961
		/ PRIOR FILING DATE: 2001-02-20
		/ PRIOR APPLICATION NUMBER: 60/277, 337
		/ PRIOR FILING DATE: 2001-03-20
		/ NUMBER OF SEQ ID NOS: 159
		/ SOFTWARE: PatentIn Ver. 2.1
		/ SEQ ID NO: 74
		/ LENGTH: 1183
		/ TYPE: DNA
		/ ORGANISM: Homo sapiens
		/ US-09-939-853A-74

583	Db	GTTGAGCAGGCTGTGTGAAGTCTGGAGAGAGATAACATCCCAGCGTCAGCTGGGG 524
661	Qy	CAAAGTCTCCATGGCTGTATGGAGGAAAGGAGATAACATCCCAGCGTCAGCTGGGG 720
523	Db	CAAAGTCTCCATGGCTGTATGGAGGAAAGGAGATAACATCCCAGCGTCAGCTGGGG 464
721	Qy	GTTGTTACTGGGACCCCTGGAGGGCTTCMCACTGGGAGACGGAGGGAGGGAGGG 780
463	Db	GTTGTTACCTGGAACCCCTGGAGGGCTTCMCACTGGGAGACGGAGGGAGGGAGGG 404
781	Qy	CTCTTACTCTGTAGTCGGCTTAGCGGCCCTGCATCTGGAGCGGATGAGACACTA 840
403	Db	CTCTTACTCTGTAGTCGGCTTAGCGGCCCTGCATCTGGAGCGGATGAGACACTA 344
841	Qy	CAGGATCCAATGCCATTGATGGTGGCTGATCATCACCAGGCCACCTTCCCTCT 900
343	Db	CAGGATCCAATGCCATTGATGGTGGCTGATCATCACCAGGCCACCTTCCCTCT 284
901	Qy	ACTTCAGGGCCCTGGGACATTACTCTGAGTCGGGTGATCATCTGGCTTACATC 960
283	Db	ACTTCAGGGCCCTGGGACATTACTCTGAGTCGGGTGATCATCTGGCTTACATC 224
961	Qy	GGAGGCCCTGTCCTGAGGGCTGGCCGCTGCAGAAAGATAACCCCTACCTGT 1024
223	Db	GGAGGCCCTGTCCTGAGGGCTGGCCGCTGCAGAAAGATAACCCCTACCTGT 164
1021	Qy	GACTGTGCAAGGAAACCACTCACTGGAAAGAGCTGGACAGCTCCCTGCTTCTG 108
163	Db	GACTGTGCAAGGAAACCACTCACTGGAAAGAGCTGGACAGCTCCCTGCTTCTG 104
1081	Qy	AGCTGCAAGGGGGAGAGCTCTCTGAGGGCTAGCTGGAGCTGCTAGCTCTA 114
103	Db	AGCTGCCAACGGGGAGAGCTCTCTGAGGGCTAGCTGGAGCTGCTAGCTCTA 44
1141	Qy	CATACCCCTGATGATGAGGAGCTGTCCTGGATGATGCTAG 1183
43	Db	CATACCCCTGATGATGAGGAGCTGTCCTGGATGATGCTAG 1
RESULT 3		
US-10-043-649-1		
; Sequence 1, Application US/10043649		
; Publication No. US20030059924A1		
; GENERAL INFORMATION:		
; APPLICANT: Hollenden, Sacha J.		
; APPLICANT: Mendenhall, Marcy K.		
; APPLICANT: Pardo, Jorge		
; APPLICANT: Spencer, Collin		
; APPLICANT: Fu, C. Alan		
; APPLICANT: Luo, Ying		
; APPLICANT: Payan, Donald G.		
; APPLICANT: Mancebo, Helena S.Y.		
; APPLICANT: Wu, Jun		
; APPLICANT: Zhou, Xiulan		
; APPLICANT: Shen, Mary		
; APPLICANT: Liao, X. Charlene		
; APPLICANT: Sheng, Ning		
; TITLE OF INVENTION: Cloning of a No. US20030059924A1 Inhibitor of Antigen		
; TITLE OF INVENTION: Retroviral-based Functional Screen		
; FILE REFERENCE: A-70219-1.RMS/DIR		
; CURRENT APPLICATION NUMBER: US/10/043,649		
; CURRENT FILING DATE: 2002-01-10		
; PRIOR APPLICATION NUMBER: US 60/260,953		
; PRIOR FILING DATE: 2001-01-10		
; NUMBER OF SEQ ID NOS: 3		
; SOFTWARE: PatentIn version 3.1		
; SEQ ID NO 1		
; LENGTH: 786		
; TYPE: DNA		
; ORGANISM: Homo sapiens		
; FEATURE:		
; NAME/KEY: CDS		
; LOCATION: (1) ..(786)		

OTHER INFORMATION:		Query Match		Best Local Similarity	
		Matches 785; Consensus			
Qy	398	ATGGGAAAG 	D _b	1	ATGGGAG
Qy	458	CAAGGCCA 	D _b	61	CAAGGCCA
Qy	518	GGCAGTTT 	D _b	121	GGCAGTTT
Qy	578	ATCGTCCTC 	D _b	181	ATCGTCCTC
Qy	638	AACATCCC 	D _b	241	AACATCCC
Qy	698	AGGGAGAA 	D _b	301	AGGGAGAA
Qy	758	CGGGAGAG 	D _b	361	CGGGAGAG
Qy	818	TCCCTGGGA 	D _b	421	TCTGGGA
Qy	878	TCACCGCG 	D _b	481	TCACCGGG
Qy	938	CATGACAT 	D _b	541	CATGACAT
Qy	998	GCGAAGGA 	D _b	601	GCGAAGGA
Qy	1058	GACAGCTC 	D _b	661	GACAGCTC
Qy	1118	CCTCGGGAA 	D _b	721	CCTCGGGAA
Qy	1178	GCCTAG 1 	D _b	781	GCCTAG 7

Qy 533 GGTGGCCGGCGAGCTGCTGAGACTCGGGACCCATTGACCATTCGCTCCTGAGGAT 592
 Db 421 GGTGGCCGGCGAGCTGCTGAGACTCGGGACCCATTGACCATTCGCTCCTGAGAT 480
 Qy 593 GGAGACTGTGAGCGTGTGAGTTCTGGAGAGTAAACATGCCATTGAGCT 652
 Db 481 GGAGACTGTGAGCGTGTGAGTTCTGGAGAGTAAACATGCCATTGAGCT 540
 Qy 653 CAGTGCGCAAAAGTCTCCATGGGCTTGAGCTGATGGGGCTTGAGGAAACAGAG 712
 Db 541 CAGTGCGCAAAAGTCTCCATGGGCTTGAGCTGATGGGGCTTGAGGAAACAGAG 600
 Qy 713 GAAGCTGTGTTTAACCTGGAAACCCCTGAGGGCCCTTCATCGGGAGGAGACC 772
 Db 601 GAATGTGTTAACGGCTTCTCTTCTATCGGGAGGAGACC 660
 Qy 773 AGAGAGACCTCTTAACTCTGTCAAGCCGCCCTGCATCTGGACGGATC 832
 Db 661 AGGAGAGCTTAACTCTGTCAAGCTGGCCCTGAGGGCTTCTGAGGGACCGGATC 720
 Qy 833 AGACACTACAGATCCAACTGCTGACAATGGCTGGCTGTACA 875
 Db 721 AGACACTACAGATCCAACTGCTGACAATGGCTGGCTGTACA 763

RESULT 6
 US-10-115-635-120
 / Sequence 120, Application US/10115635
 / Publication No. US2004013743;A1
 / GENERAL INFORMATION
 / APPLICANT: Tang, Y.; Tom
 / APPLICANT: Zhou, Ping
 / APPLICANT: Goodrich, Ryle
 / APPLICANT: Liu, Chenghua
 / APPLICANT: Asundi, Vinod
 / APPLICANT: Ren, Feiyan
 / APPLICANT: Zhang, Jie
 / APPLICANT: Zhao, Qing A.
 / APPLICANT: Xue, Aidong J.
 / APPLICANT: Yang, Yonghong
 / APPLICANT: Wehrmar, Tom
 / APPLICANT: Drmanac, Radjo T.
 / TITLE OF INVENTION: Novel Nucleic Acids and
 / TITLE OF INVENTION: Polypeptides
 / FILE REFERENCE: 79;CON
 / CURRENT APPLICATION NUMBER: US/10/115,635
 / CURRENT FILING DATE: 2002-04-03
 / PRIOR APPLICATION NUMBER: 09/714,936
 / NUMBER OF SEQ ID NOS: 362
 / SOFTWARE: pt_Fl_genes Version 2.0
 / SEQ ID NO: 120
 / LENGTH: 1413
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE: CDS
 / NAME/KEY: CDS
 / LOCATION: (54) .. (686)
 / US-10-115-635-120

Query Match 61.2%; Score 724.2; DB 17; Length 1413;
 Best Local Similarity 93.7%; Pred. No. 1..e-213;
 Matches 786; Conservative 0; Mismatches 3; Indels 50; Gaps 1;

Qy 345 TGACRAACCAATTCCCTCGATGATGTTCTGAGTCTCTGAGAAATGGAA 404
 Db 1 TGACRAACCAATTCCCTCGATGATGTTCTGAGTCTCTGAGAAATGGAA 60

Qy 405 GTCCTGCCAGCAGAAATACTCTGCAGGCCAAGCTTGAAGTCTGTCGAAGGCC 464
 Db 61 GTCCTGCCAGCAGAAATACTCTGCAGGCCAAGCTTGAAGTCTGTCGAAGGCC 120

RESULT 7
 US-09-867-550-951
 / Sequence 951, Application US/09867550
 / Patent No. US200202206A1
 / GENERAL INFORMATION
 / APPLICANT: Leach, Martin D.
 / APPLICANT: Mehriban, Fuad,
 / APPLICANT: Conley, Pamela
 / APPLICANT: Law, Debbie
 / APPLICANT: Topper, James
 / TITLE OF INVENTION: No. US200202200822006A1 Polynucleotides From Atherogenic Cells and Therby
 / FILE REFERENCE: 21402-013 (Cur-313)
 / CURRENT APPLICATION NUMBER: US/09/867,550
 / CURRENT FILING DATE: 2002-09-20
 / PRIOR APPLICATION NUMBER: USN 60/208,427
 / PRIOR FILING DATE: 2000-05-30
 / NUMBER OF SEQ ID NOS: 2125
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO: 951
 / LENGTH: 444
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / US-09-867-550-951

Query Match 29.4%; Score 348; DB 9; Length 444;
 Best Local Similarity 100.0%; Pred. No. 3.1e-97;
 Matches 348; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 122 AGCCCTGTGTCCTGCCAGGGCTCCCTGGCAGGATAACCCCTAACCTGTCA 181
 Qy 1023 CTGTGAGGAGCACCACTCAACTGAAAGAGCTGAGCCTCCCTCTGTTCTGAG 1082
 Db 182 CTGTCAGGACCACTCAACTGAAAGAGCTGAGCCTCCCTCTGTTCTGAG 241
 Qy 242 CCTAGGACCAAGGACAATCGCAGAACTTCAGAAGGGCCCAAGGCCCTAACCTGCCAG 301
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 Db 61 CCAGAGCATCGGTCTCAGAGCTGTCCTCCAAAGCTTATGACAACCAATTCCC 120
 Qy 362 TCGATGATGATGCTCTGAGTCAGTGAGGACATGGAGATCTGCAGCAGAAAGA 421
 Db 121 TCGATGATGATGCTCTGAGTCAGTGAGGACATGGAGATCTGCAGCAGAAAGA 180

RESULT 9
 US-09-814-353-17314

Qy 422 AAATCTCCCAAGGCCAAGCTGAGTCTCTGTCAGGACCTGTGACCATG 481
 Db 181 AAATCTCCCAAGGCCAAGCTGAGTCTCTGTCAGGACCTGTGACCATG 240
 Qy 482 GAAGCAGAGAGAACCCAGGCCAGGCCAGCTGGCCTGGCAGTTCCGGCAGGTGCCCG 541
 Db 241 GAACAGAGAGAACCCAGGCCAGGCCAGCTGGCCTGGCAGTTCCGGCAGGTGCCCG 300
 Qy 542 GCGGAGCTGTCGCTGAGACTCGGGAGCATTGACCATGCTCTCTGAG 589
 Db 301 GCGGAGCTGTCGCTGAGACTCGGGAGCATTGACCATGCTCTCTGAG 348

RESULT 8
 US-09-867-550-1915

Qy Sequence 1915, Application US/09867550
 ; Patent No. US20020052206A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Leach, Martin D.
 ; APPLICANT: Mehraban, Fuad,
 ; APPLICANT: Conley, Pamela
 ; APPLICANT: Law, Debbie
 ; APPLICANT: Topper, James
 ; TITLE OF INVENTION: Thereby
 ; FILE REFERENCE: 214.02-013 (Curia-313)
 ; CURRENT APPLICATION NUMBER: US/09-867,550
 ; PRIORITY APPLICATION NUMBER: USNN 60/208,427
 ; PRIORITY FILING DATE: 2000-05-30
 ; NUMBER OF SEQ ID NOS: 2125
 ; SOFTWARE: FastSEQ For Windows Version 4.0
 ; SEQ ID NO: 1915
 ; LENGTH: 875
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: msc_feature
 ; LOCATION: (1) _feature
 ; OTHER INFORMATION: wherein n is one of a or t or c or g

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 Best Local Similarity 100.0%; Pred. No. 5.4e-95;
 Matches 341; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 843 GATCCACTGCTTGAATGCTGCTGACATTCACCGGCCTCACCTTCCCTCAC 902
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 Db 62 TCCAGGCCCTGGACCAATTACTCTGAGCTGGGATGACATCTGCTGCTCAAGG 121
 Qy 963 AGCCCTGTGTCCTGCCAGGGCTGGCCGCTCCCTGCAAGGATAACCCCTAACCTGTCA 1022

RESULT 10
 US-09-954-456-499

Qy Sequence 499, Application US/09954456

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; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cancer
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 499
; LENGTH: 2665
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-954-456-499

Query Match Score 157.4; DB 9; Length 2665;
Best Local Similarity 54.2%; Pred. No. 5e-18;
Matches 354; Conservative 0; Mismatches 281; Indels 18; Gaps 1;

Qy Ddb
410 CCCACAGARGAAATCTGCCAACGCCAAGCTTGAGTCCTGTCCAAGGCCAGGGA 469
24 CCAGGAAAGAAAGAAATGGAAACAGATGAAATCCACCCCTGGCCTGCAGAGG 83
470 CCTGTGACCATGGAGGAGCAGAGAACGGCCAGCGCTGAGCTCGGGAGCATGACGTTTCCCG 529
84 CCCCTGCCAACCCGAGGACATGGACTGATAGGCACTTCCTCCGCTTAAGTGATACCCG 143
530 GCAATGGCCCGGCCAGGTGCTGAGCTCGGGAGCATGACCATCGTCTCTGAG 589
144 TCTCTGACATCAGCCCCCATATTCCGCCAGGGAAACCTGGTGTGATTCGTAT 203
590 GATGAGACTGGTGAAGGTCTGGTGAAGTATTCAGGAGAGATAACATCCCAAGC 649
204 GAGGGGGCTGGTGAAGTATTCAGTGGTGTGTTGAGGGCTGGCAAGAZAGGGCC 263
650 GTCACTGGGCAAGTCTCCATGGCTACTCTGTAGTCAGTCGGCTCATCCGGAGGCCAG 709
264 ATATGTGGCAGAGTTAACATGGCTGTTGAGGGCTGGCAAGAZAGGGCC 323
710 GAGGAACTGTGTTGTGTTACTCTGGAACCCCTGGAGGGCCCTCATCCGGAGGCCAG 769
324 GAGGACTGTGCTGAGCTGGCTCATGGCTGAGGGCTGGCTCATCCGGAGGCCAG 383
770 ACCAGAGAGGCTTACTCTGTAGTCAGTCGGCTCATCCGGAGGCCAG 829
384 ACCAAAGAGGCTTACTCTGGCTGAGGGCTGGCTCATCCGGAGGCCAG 425
Db Qy
710 GAGGAACTGTGTTGTGTTACTCTGGAACCCCTGGAGGGCCCTCATCCGGAGGCCAG 769
324 GAGGACTGTGCTGAGCTGGCTCATGGCTGAGGGCTGGCTCATCCGGAGGCCAG 383
770 ACCAGAGAGGCTTACTCTGTAGTCAGTCGGCTCATCCGGAGGCCAG 829
384 ACCAAAGAGGCTTACTCTGGCTGAGGGCTGGCTCATCCGGAGGCCAG 425
Db Qy
830 ATCAGAGACTACAGGATCCACTGCTGTGACATGGTGGCTCATCCGGAGGCCCTC 889
426 GTAAGCATACCCGATTTCTGCTGCTGGCAACACTGGTACTACATTCGGGCTC 485
890 ACCTTCCCCCTACCTCCAGGGCTGGGACCATTAACCTGCTGGGATGACATCTGC 949

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i PRIORITY APPLICATION NUMBER: PCT/US01/006668
 i PRIORITY FILING DATE: 2001-01-30
 i PRIORITY APPLICATION NUMBER: PCT/US01/006663
 i PRIORITY FILING DATE: 2001-01-30
 i PRIORITY APPLICATION NUMBER: PCT/US01/006662
 i PRIORITY FILING DATE: 2001-01-30
 i PRIORITY APPLICATION NUMBER: PCT/US01/006661
 i PRIORITY FILING DATE: 2001-01-30
 i PRIORITY APPLICATION NUMBER: PCT/US01/00670
 i PRIORITY FILING DATE: 2001-01-30
 i PRIORITY APPLICATION NUMBER: US 60/234, 687
 i PRIORITY FILING DATE: 2000-09-21
 i PRIORITY APPLICATION NUMBER: US 09/608, 408
 i PRIORITY FILING DATE: 2000-06-30
 i PRIORITY APPLICATION NUMBER: US 09/774, 203
 i PRIORITY FILING DATE: 2001-01-29
 i NUMBER OF SEQ ID NOS: 49117
 i SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
 i SEQ ID NO 15513
 LENGTH: 448
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 i FEATURE:
 i OTHER INFORMATION: MAP TO AL031662.24
 i OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
 i OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.1
 i US-09-864-761-15513

Query Match Similarity 12.0%; Score 141.8; DB 9; Length 448;
 Best Local Similarity 95.4%; Pred. No. 2, 1e-33; Indels 0; Gaps 0;
 Matches 146; Conservative 7; Mismatches 0;

Qy	912	TGGTGGACATTACTCTGAGCTGGGATGACATCTGCTGCTACTCAAGGAGGCCCTGTG	971
Db	269	TGGGGTCCTCAGTGGGATGATCTGCTAAGTGGGATGATCTGCTACTCAAGGCCCTGTG	328
Qy	972	TCCCTGCAGAGGGCTGGCGCCCTGCAAGGATAACCCCTACCTGTACTGTGCA	1031
Db	329	TCCCTGCAGGGCTGGCGTCCTGCAAGGATAACCCCTACCTGTACTGTGCA	388
Qy	1032	GGACACCCCTCACTGAAAGACTGACAGT	1064
Db	389	GGACACCCCTCACTGAAAGACTGACAGT	421

Search completed: July 25, 2004, 02:23:12
 Job time : 961.828 secs

Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein = protein search using SW model

תְּמִימָנָה וְעַמְּלָקָה בְּבֵית-יְהוָה 19

{without alignments}

Perfect score: 1353

ANSWERING THE CALL TO LEARN: A CASE STUDY

卷之三

Minimum DB seq length: 0
Maximum DB seq length: 300000000

DRAFT MANNERS AND WINTER MANTLES 69

Maximum Match 100%

11 /cann26/RECdata/2/jaa/5A COMB.Den:*

COMBINATION OF PEPTIDE AND PROTEIN

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4: /cgn2_6/ptodata/2/1aa/ = COMB .pep:*
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6: /cgn2-6/ptodata/2/iaa/backfiles1.pep:*
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No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed.

Result No.	Score	Match Length	DB ID	Description
1	370.5	27.4	512	US-08-426-509A-16
2	370.5	27.4	512	US-08-332-505-16
3	370.5	27.4	512	PCT-US91-05008-16
4	360.5	26.6	505	US-08-426-509A-17
5	360.5	26.6	505	US-08-332-505-17
6	360.5	26.6	505	PCT-US91-05008-17
7	344.5	25.5	499	US-08-426-509A-19
8	344.5	25.5	499	US-08-332-505-19
9	344.5	25.5	499	PCT-US91-05008-19
10	340	25.1	508	US-09-662-554-1
11	340	25.1	509	US-09-039-555B-17
12	340	25.1	509	US-08-426-509A-18
13	340	25.1	509	US-09-457-040B-8
14	340	25.1	509	US-08-232-545-18
15	340	25.1	509	PCT-US91-05008-18
16	315.5	23.3	537	US-08-226-09A-11
17	315.5	23.3	537	US-08-332-545-11
18	315.5	23.3	537	PCT-US91-05008-11
19	315.5	23.3	543	US-08-426-509A-14
20	315.5	23.3	543	US-08-332-545-14
21	315.5	23.3	543	US-09-470-881-8
22	315.5	23.3	543	PCT-US91-05008-14
23	313.5	23.2	496	US-09-006-75-2
24	313.5	23.2	496	US-09-228-603A-2
25	312.5	23.1	529	US-08-426-509A-15
26	312.5	23.1	529	US-08-332-545-15
27	312.5	23.1	529	PCT-US91-05008-15

ATTACHMENT

RESULT 1
US-08-426-509A-1

RESULT 1
US-08-426-509A-16

Patent No. 6326469
 GENERAL INFORMATION:
 APPLICANT: Ulrich, Axel
 APPLICANT: Gishizky, Mkhail
 APPLICANT: Sures, Irman G.
 TITLE OF INVENTION: NOVEL MEGAKARINA
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Peannie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York,
 STATE: NY
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FAST-SEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/426,514
 FILING DATE: 21-APR-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/232,545
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Coetzee, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE DOCKET NUMBER: 17663-001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-790-9090
 TELEX: 66141 PENNIE 9741
 INFORMATION FOR SEQ ID NO: 16:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 512 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: No. 6326469e

Query Match Score 370.5; DB 4; Length 512;
 Best Local Similarity 39.8%; Pred. No. 1.7e-31;
 Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

6 SRRKSLPSPSLSSVQGQPYTMEAERSKATAVALGSFPAGGAELSLRGEPLTIVSED 65
 38 SNKQQRPVPE-SQLLQQRPFQTKDPEQGDIVVAVLPYDGHDDLSFKGEKMVKLEH 96
 66 GDWWTVLSESGREYNIPSYVHGKV --- SHGMVLYEGLSREKAELLLPGNPGCAFIR 121
 97 GEWWKAKSLLKKEGFPSNVAKNLTEBEWFFKDITKDAERQLAAGNSAGAFLIR 156

Query Match Score 370.5; DB 4; Length 512;
 Best Local Similarity 39.8%; Pred. No. 1.7e-31;
 Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

6 SRRKSLPSPSLSSVQGQPYTMEAERSKATAVALGSFPAGGAELSLRGEPLTIVSED 65
 38 SNKQQRPVPE-SQLLQQRPFQTKDPEQGDIVVAVLPYDGHDDLSFKGEKMVKLEH 96
 66 GDWWTVLSESGREYNIPSYVHGKV --- SHGMVLYEGLSREKAELLLPGNPGCAFIR 121
 97 GEWWKAKSLLKKEGFPSNVAKNLTEBEWFFKDITKDAERQLAAGNSAGAFLIR 156

Query Match Score 370.5; DB 5; Length 512;
 Best Local Similarity 39.8%; Pred. No. 1.7e-31;
 Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

6 SRRKSLPSPSLSSVQGQPYTMEAERSKATAVALGSFPAGGAELSLRGEPLTIVSED 65
 38 SNKQQRPVPE-SQLLQQRPFQTKDPEQGDIVVAVLPYDGHDDLSFKGEKMVKLEH 96
 66 GDWWTVLSESGREYNIPSYVHGKV --- SHGMVLYEGLSREKAELLLPGNPGCAFIR 121
 97 GEWWKAKSLLKKEGFPSNVAKNLTEBEWFFKDITKDAERQLAAGNSAGAFLIR 156

Query Match Score 370.5; DB 5; Length 512;
 Best Local Similarity 39.8%; Pred. No. 1.7e-31;
 Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

6 SRRKSLPSPSLSSVQGQPYTMEAERSKATAVALGSFPAGGAELSLRGEPLTIVSED 65
 38 SNKQQRPVPE-SQLLQQRPFQTKDPEQGDIVVAVLPYDGHDDLSFKGEKMVKLEH 96
 66 GDWWTVLSESGREYNIPSYVHGKV --- SHGMVLYEGLSREKAELLLPGNPGCAFIR 121
 97 GEWWKAKSLLKKEGFPSNVAKNLTEBEWFFKDITKDAERQLAAGNSAGAFLIR 156

RESULT 3
 PCT-US5-05008-16
 Sequence 16, Application PC/TUS905008

GENERAL INFORMATION:
 APPLICANT: Sugan, Inc.
 ADDRESS: 515 Galveston Drive
 CITY: Redwood City, California 94063-4720
 STATE: United States of America
 COUNTRY: Wissenschaften E.V.
 ZIP: 94031

APPLICANT: HoEgarten Str. 2
 ADDRESS: HoEgarten Str. 2
 CITY: Munich 80539

APPLICANT: Pennie & Edmonds
 ADDRESS: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10016

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05008
 FILING DATE: 24-APR-1995
 CLASSIFICATION:
 PRIORITY NUMBER: US 08/232,545
 PRIORITY DATE: 22-APR-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 ADDRESS: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10016

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/232,545
 PRIORITY NUMBER: US 08/232,545
 PRIORITY DATE: 22-APR-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 ADDRESS: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10016

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 16:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 512 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 PCT-US5-05008-16

Query Match Score 370.5; DB 5; Length 512;
 Best Local Similarity 39.8%; Pred. No. 1.7e-31;
 Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

6 SRRKSLPSPSLSSVQGQPYTMEAERSKATAVALGSFPAGGAELSLRGEPLTIVSED 65
 38 SNKQQRPVPE-SQLLQQRPFQTKDPEQGDIVVAVLPYDGHDDLSFKGEKMVKLEH 96
 66 GDWWTVLSESGREYNIPSYVHGKV --- SHGMVLYEGLSREKAELLLPGNPGCAFIR 121
 97 GEWWKAKSLLKKEGFPSNVAKNLTEBEWFFKDITKDAERQLAAGNSAGAFLIR 156

Query Match Score 370.5; DB 5; Length 512;
 Best Local Similarity 39.8%; Pred. No. 1.7e-31;
 Matches 80; Conservative 36; Mismatches 76; Indels 9; Gaps 3;

6 SRRKSLPSPSLSSVQGQPYTMEAERSKATAVALGSFPAGGAELSLRGEPLTIVSED 65
 38 SNKQQRPVPE-SQLLQQRPFQTKDPEQGDIVVAVLPYDGHDDLSFKGEKMVKLEH 96
 66 GDWWTVLSESGREYNIPSYVHGKV --- SHGMVLYEGLSREKAELLLPGNPGCAFIR 121
 97 GEWWKAKSLLKKEGFPSNVAKNLTEBEWFFKDITKDAERQLAAGNSAGAFLIR 156

Qy 122 ESDTRRGSSYLSVRLSRPASWDRIRHYRICHLDNGWLISPRLTTPSLOALVHDYSELAD 181
 Db 157 ESETLKGSFSLSVRDFPPVHGDVIRHYKIRSLSIDNGYYISPRITPPCISMDIKHYQKQAD 216

RESULT 4
 US-08-426-59A-17 Sequence 17, Application US/08232545
 ; Patent No. 6506558 ; GENERAL INFORMATION:
 ; APPLICANT: Ulrich, Axel ; ADDRESS: Pennie & Edmonds
 ; APPLICANT: Gishinsky, Mikhail ; STREET: 1155 Avenue of the Americas
 ; APPLICANT: Suree, Irman G. ; CITY: New York
 ; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN ; STATE: New York
 ; NUMBER OF SEQUENCES: 21 ; COUNTRY: U.S.A.
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York,
 ; STATE: NY
 ; COUNTRY: USA
 ; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC Compatible
 ; OPERATING SYSTEM: PC-DOCS MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/232,545
 ; FILING DATE: 22-APR-1994
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Coruzzi, Laura A.
 ; REGISTRATION NUMBER: 30,742
 ; REFERENCE/DOCKET NUMBER: 7683-050
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 790-9090
 ; TELEFAX: (212) 869-9741
 ; TELEX: 66141 PENNIE
 ; INFORMATION FOR SEQ ID NO: 17:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 505 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: unknown
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-232-545-17

Query Match 26.6%; Score 360.5; DB 4; Length 505;
 Best Local Similarity 41.6%; Pred. No. 2e-30;
 Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;

Qy 12 PSPSLSSSYQQGPVTTMRSRATAVIALGSPAGGPBESLRLGEIITIVEDGDNWT 71
 Db 40 PGPNHNS---NTPGIREAGSEDIVVAVLYDVEAHHBDLSFQKGDMVYLEESGWKA 96

Query Match 26.6%; Score 360.5; DB 4; Length 505;
 Best Local Similarity 41.6%; Pred. No. 2e-30;
 Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;

Qy 12 PSPSLSSSYQQGPVTTMRSRATAVIALGSPAGGPBESLRLGEIITIVEDGDNWT 71
 Db 40 PGPNHNS---NTPGIREAGSEDIVVAVLYDVEAHHBDLSFQKGDMVYLEESGWKA 96

Query Match 26.6%; Score 360.5; DB 4; Length 505;
 Best Local Similarity 41.6%; Pred. No. 2e-30;
 Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;

Qy 72 LSEVSGREYNIPSPVHGVKV---SHGMWYEGLSREKABLLLPGNPQGAFLIRESTR 127
 Db 97 RSLATRKEGYIPSNVARYVARDVSLEEEWPKGISRKDAQRLLAQNMGSFMRDSETIK 156

Query Match 26.6%; Score 360.5; DB 4; Length 505;
 Best Local Similarity 41.6%; Pred. No. 2e-30;
 Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;

Qy 72 LSEVSGREYNIPSPVHGVKV---SHGMWYEGLSREKABLLLPGNPQGAFLIRESTR 127
 Db 97 RSLATRKEGYIPSNVARYVARDVSLEEEWPKGISRKDAQRLLAQNMGSFMRDSETIK 156

Query Match 26.6%; Score 360.5; DB 4; Length 505;
 Best Local Similarity 41.6%; Pred. No. 2e-30;
 Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;

Qy 12 PSPSLSSSYQQGPVTTMRSRATAVIALGSPAGGPBESLRLGEIITIVEDGDNWT 71
 Db 40 PGPNHNS---NTPGIREAGSEDIVVAVLYDVEAHHBDLSFQKGDMVYLEESGWKA 96

Query Match 26.6%; Score 360.5; DB 4; Length 505;
 Best Local Similarity 41.6%; Pred. No. 2e-30;
 Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;

Qy 72 LSEVSGREYNIPSPVHGVKV---SHGMWYEGLSREKABLLLPGNPQGAFLIRESTR 127
 Db 97 RSLATRKEGYIPSNVARYVARDVSLEEEWPKGISRKDAQRLLAQNMGSFMRDSETIK 156

Query Match 26.6%; Score 360.5; DB 4; Length 505;
 Best Local Similarity 41.6%; Pred. No. 2e-30;
 Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;

Qy 128 GSYSLSVRLSRPASWDRIRHYRICHLDNGWLISPRLTTPSLOALVHDYSELADICCLL 187
 Db 157 GSYSLSVRLDPROGDTVKHYKIRTLDNGGYFISPRSTFSTLQEVYKGNNDGLCQL 216

Query Match 26.6%; Score 360.5; DB 4; Length 505;
 Best Local Similarity 41.6%; Pred. No. 2e-30;
 Matches 77; Conservative 31; Mismatches 70; Indels 7; Gaps 2;

Qy 188 KEPVC 192
 Db 217 SVPBM 221

RESULT 6
 PCT-US95-05008-17 Sequence 17, Application PC/TUS9505008
 ; GENERAL INFORMATION:

APPLICANT: Sugen, Inc.
 APPLICANT: 515 Galveston Drive
 APPLICANT: Redwood City, California 94063-4720
 APPLICANT: United States of America
 APPLICANT: Wissenschaften B.V.
 APPLICANT: Hotgarten Str. 2
 APPLICANT: Munchen 80539
 APPLICANT: Germany
 TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
 TITLE OF INVENTION: Kinases
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: U.S.A.
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05008
 FILING DATE: 24-APR-1995
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 APPLICATION NUMBER: US 08/232,545
 FILING DATE: 22-APR-1994
 CLIPPER INFORMATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7683-074
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 763-9090
 TELEFAX: (212) 863-9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 505 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: Protein
 PCT-US95-05008-17

Query Match 26.6%; Score 360.5; DB 5; Length 505;
 Best Local Similarity 41.6%; Pred. No. 2e-30; Mismatches 70; Indels 7; Gaps 2;
 Matches 77; Conservative 31; Mismatches 70;

Qy 72 LSEVGREYNTIPSVHVGKV---SHGWLTYEGLSREKAELLLPGNPFGAFLIRESCTRGSYSLPQQEPTRLRESQTRR 127
 Db 97 RSLATRKEGTSPNSVAVRVSLEETEWFRGISRSRDAEQLAGNMIGSMFRDSETIK 156

Qy 128 GSYSLSVRLSRPASNDRIRHYRIHLNDQWLYISPRSLTPSQUALDVHYSLEADDICCL 187
 Db 157 GSYSLVRDYPDQGBDTPVHYKIRTLDNGGYFISPRSTESTLQELDVHYKGNDGLCOKL 216

Qy 188 KEPVC 192
 Db 217 SVPVC 221

GENERAL INFORMATION:
 APPLICANT: Ulrich, Axel
 APPLICANT: Gisizsky, Mikhail
 APPLICANT: Sures, Irman G.
 TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
 TITLE OF INVENTION: TYROSINE KINASES
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York,
 STATE: NY
 COUNTRY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/426,509A
 FILING DATE: 21-APR-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/232,545
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7683-0074-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-790-9050
 TELEFAX: 212-869-9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 499 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: No. 6326469e
 US-08-426-509A-19

Query Match 25.5%; Score 344.5; DB 4; Length 499;
 Best Local Similarity 36.0%; Pred. No. 1.e-28; Mismatches 32; Indels 37; Gaps 4;
 Matches 80; Conservative 32;

Qy 1 MGSLPLSPRKSLPSLPSLSSVQGPV-----TMEABRSK 34
 Db 1 MGLLSSKRQ----VSEKGKGWSPKVIRQDKAPPPLPLVVFNLHAPPSPNQDPDEEE 54
 Qy 35 ATAVALGSPAGGPABSLRIGEPEPTVSDGDWTVLSESGREYNIPAVHVERKS--- 91
 Db 55 RFVVALFDYAVNDRQLVLKGERKLQVLRSSTGDWMLARSVTGREGVYBSNFVAPVTE 114
 Qy 92 -HGWLTYEGLSREKAELLLPGNPFGAFLIRESCTRGSYSLPQQEPTRLRESQTRR 150
 Db 115 VEKWFPTISKDARQQLLAMPNKAGSFIRESSNGKAFSLSVK-DIRTQGEVVKHVKI 173
 Qy 151 HCLDNGWLYISPRTEPPSIALDVHYSLEADDICCLKEPCV 192
 Db 174 RSLDNGYYISPRTFPLALVHYSRKEDGLCOKLTDPVC 215

RESULT 8
 US-08-232-545-19
 i Sequence 19, Application US/08232545
 i Patent No. 6106578
 i GENERAL INFORMATION:
 i APPLICANT: Ulrich, Axel
 i APPLICANT: Gisizsky, Mikhail
 i APPLICANT: Sures, Irman G.
 i TITLE OF INVENTION: NO. 6506578el Megakaryocytic Protein Tyrosine

TITLE OF INVENTION: Kinases
 NUMBER OF SEQUENCES: 21
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Parent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/232,545
 FILING DATE: 22-APR-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 7683-050
 REFERENCE/DOCKET NUMBER: 7683-074
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEX: (212) 669-9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 499 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-08-232-545-19

Query Match Score 25.5% Best Local Similarity 36.0% Pred. No. 1.1e-28; Length 499;
 Matches 80; Conservative 32; Mismatches 73; Gaps 4; Indels 37; Gaps 4;

Qy 1 MGSLPSRSKSLPSPSLSSVQGQPV-----TMEAERSK 34
 Db 1 MGJLSSKRQ-----VSERKGKWPVKIRTQDKAPPPLPPLVFNHAPPSPNQDPDEE 54

Qy 35 ATAVALGSPPAGGPAAELSLRLGEPLTVIYSEDGDWWTIVLSEYSGREYNIPSYHGKVS-- 91
 Db 55 RFVYALFYYAANDRDLQVLRKGEKLQVLRSRGTCDWMLARSVTGREGYPSNSNEVAPVTE 114

Qy 92 -HGWLYEGLSREKAELLLPGNPGGAFLIRISQTRGGSYSLSVRLSPASWDRIRHYRI 150
 Db 115 VEVKFFRTISKDAERQLAPKPKAGSFLLIRESENGKAFSLSVK-DITTOQEYVHKYKI 173

Qy 151 HCLDNGWLYITSRPLTFSRPLQALYDHYSLEADDICLKEPCV 192
 Db 174 RSLDNGGYIISPRITFPFLQALVQHYSKKGDSLQKLTLPVC 215

RESULT 9
 PCT-US95-05008-19
 ; Sequence 19, Application PC/TUS9505008

GENERAL INFORMATION:
 APPLICANT: Sugen, Inc.
 APPLICANT: 515 Galveston Drive
 APPLICANT: Redwood City, California 94063-4720
 APPLICANT: United States of America
 APPLICANT: Wissenschaften E.V.
 APPLICANT: Hofgarten Str. 2
 APPLICANT: München 80539
 APPLICANT: Germany
 TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine Kinases
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds

SUBSTITUTE: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Parent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05008
 FILING DATE: 24-APR-1995
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/232,545
 FILING DATE: 22-APR-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30, 742
 REFERENCE/DOCKET NUMBER: 7683-074
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 669-9741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 499 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 PCT-US95-05008-19

Query Match Score 25.5% Best Local Similarity 36.0% Pred. No. 1.1e-28; Length 499;
 Matches 80; Conservative 32; Mismatches 73; Gaps 4; Indels 37; Gaps 4;

Qy 1 MGSLPSRSKSLPSPSLSSVQGQPV-----TMEAERSK 34
 Db 1 MGJLSSKRQ-----VSERKGKWPVKIRTQDKAPPPLPPLVFNHAPPSPNQDPDEE 54

Qy 35 ATAVALGSPPAGGPAAELSLRLGEPLTVIYSEDGDWWTIVLSEYSGREYNIPSYHGKVS-- 91
 Db 55 RFVYALFYYAANDRDLQVLRKGEKLQVLRSRGTCDWMLARSVTGREGYPSNSNEVAPVTE 114

Qy 92 -HGWLYEGLSREKAELLLPGNPGGAFLIRISQTRGGSYSLSVRLSPASWDRIRHYRI 150
 Db 115 VEVKFFRTISKDAERQLAPKPKAGSFLLIRESENGKAFSLSVK-DITTOQEYVHKYKI 173

Qy 151 HCLDNGWLYITSRPLTFSRPLQALYDHYSLEADDICLKEPCV 192
 Db 174 RSLDNGGYIISPRITFPFLQALVQHYSKKGDSLQKLTLPVC 215

RESULT 10
 PCT-US95-05008-19
 ; Sequence 1, Application US/09862154
 ; Sequence 1, Application US/09862154
 ; Patent No. 6589758
 ; GENERAL INFORMATION:
 ; APPLICANT: Zhu, Xiaotian
 ; TITLE OF INVENTION: Crystal of a Kinase-Ligand Complex and Methods of Use
 ; FILE REFERENCE: Atty. Docket No. 6589758: A-749
 ; CURRENT APPLICATION NUMBER: US/09/862,554
 ; CURRENT FILING DATE: 2001-05-21
 ; NUMBER OF SEQ ID NOS: 1
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1
 ; LENGTH: 508
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-862-154-1

Query Match 25.1%; Score 340; DB 4; Length 508;
 Best Local Similarity 40.6%; Pred. No. 3.5e-28;
 Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

Qy 26 VTMEEAERSKAT-----AVALGSFPIAGGPAAELSLRGLGEPLTIVSEDGDMWTVLSEVSGRE 79
 Db 48 VTYEGSNPPASPLQDNLVIALHHSYBPSHDDLGFBKEQRILQSGEMWKQASLTTGE 107

Qy 80 YNIPSYTHVGKV-----HGMLYEGLSREKAELLILPQGGAFLIRESQTRGSYSLSYR 135
 Db 108 GFIPFNFKVAKANSLEPWPFFKNLSRKDAFRQLAPGNTGSFLIRESESTAGSFLSVR 167

Qy 136 LSRPAWDRIHYRHICLDGMWLYISPRIFPSLQLDVHYSSELADDICCLLKPCVQLR 195
 Db 168 DFDQNQGEVWVHYKRNLDNGFYISPRITFPGLHELVRYTNASDGLCTRLSRPCQTK 227

RESULT 11
 US-09-039-555B-17
 ; Sequence 17, Application US/0903955B
 ; Patent No. 6033856
 ; GENERAL INFORMATION:
 ; APPLICANT: Koerner, Kathrin
 ; ATTORNEY: Mueller, Rolf
 ; APPLICANT: Sadlack, Hans-Harald
 ; TITLE OF INVENTION: PROMOTER OF THE CDC25B GENE, ITS
 ; TITLE OF INVENTION: PREPARATION AND USE
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley & Lardner
 ; STREET: 3000 K Street, N.W., Suite 500
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20007-5109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/039,555B
 ; FILING DATE: 16-MAR-1996
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: DE 19710643.9
 ; FILING DATE: 14-MAR-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Bert, Stephen A.
 ; REGISTRATION NUMBER: 29,768
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (202) 672-5300
 ; TELEX: 904136
 ; INFORMATION FOR SEQ ID NO: 17:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 509 amino acids
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-09-039-555B-17

Qy 80 YNIPSYTHVGKV-----HGMLYEGLSREKAELLILPQGGAFLIRESQTRGSYSLSYR 135
 Db 109 GFIPFNFKVAKANSLEPWPFFKNLSRKDAFRQLAPGNTGSFLIRESESTAGSFLSVR 168

Qy 136 LSRPAWDRIHYRHICLDGMWLYISPRIFPSLQLDVHYSSELADDICCLLKPCVQLR 195
 Db 169 DFDQNQGEVWVHYKRNLDNGFYISPRITFPGLHELVRYTNASDGLCTRLSRPCQTK 228

RESULT 13

Query Match 25.1%; Score 340; DB 3; Length 509;
 Best Local Similarity 40.6%; Pred. No. 3.5e-28;
 Matches 26; Mismatches 71; Indels 10; Gaps 2;

Qy 49 VTYEGSNPPASPLQDNLVIALHHSYBPSHDDLGFBKEQRILQSGEMWKQASLTTGE 108

US-09-457-040B-8
 Sequence 8, Application US/09457040B
 Patent No. 6387641
 GENERAL INFORMATION:
 APPLICANT: Vertex Pharmaceuticals Incorporated
 TITLE OF INVENTION: Crystallized P38 Complexes
 CURRENT APPLICATION NUMBER: US/09/457,040B
 CURRENT FILING DATE: 1999-12-08
 NUMBER OF SEQ ID NOS: 41
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO: 8
 LENGTH: 509
 TYPE: PRT
 ORGANISM: Human
 US-09-457-040B-8

Query Match 25.1%; Score 340; DB 4; Length 509;
 Best Local Similarity 40.6%; Pred. No. 3.5e-28;
 Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

Qy 26 VTMBAERSKAT----AVALGFPAGGAELSLRLGPPLTIVSDEGWWTVUSEVSRE 79
 Db 49 VTYEGSNPASPLQDNVIALHSYEPSPHDGLGFKEQLRILEQSGEWKAQSLSITCQE 108

Qy 80 YNIPSVHVGKVS---HGMVYEGLSREKAELLPGNPGAAFLIRESQTRGSYSLVR 135
 Db 109 GFIPNFKVAKANSLEPEWPFKNSRDAERQLLAPNTHSFLIRESESTAGSFSLVR 168

Qy 136 LSRPASWDRIRHYRHICLDNGWLYISPRLTFSLOAIDVHYSLEADDICCLLKEPCVLR 195
 Db 169 DFDQNQGEVVKHYKIRNLONGGYFISPRITFGLHLERYHTNASDGLCTRSLSPCQTQK 228

RESULT 15
 PCT-US95-05008-18
 Sequence 18, Application PC/TUS9505008
 GENERAL INFORMATION:
 APPLICANT: Sugen, Inc.
 ADDRESS: 515 Galveston Drive
 CITY: Redwood City, California 94063-4720
 STATE: United States of America
 ZIP: 94063
 COUNTRY: Wissenschaften E.V.
 APPLICANT: Hoffgarten Str. 2
 ADDRESS: München 80339
 CITY: München 80339
 STATE: Germany
 TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine Kinases
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 ZIP: 10036
 COUNTRY: U.S.A.

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05008
 FILING DATE: 24-APR-1995
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/232,545
 FILING DATE: 22-APR-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9096
 TELEX: (212) 869-9741
 INFORMATION FOR SEQ ID NO: 18:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 509 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: protein

US-08-232-545-18
 Sequence 18, Application US/08232545
 Patent No. 6506578
 GENERAL INFORMATION:
 APPLICANT: Ulrich, Axel
 ADDRESS: Gishizky, Mikhail
 APPLICANT: Surez, Iman G.
 TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine Kinases
 NUMBER OF INVENTIONS: 21
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESS: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 ZIP: 10036
 COUNTRY: U.S.A.
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05008
 FILING DATE: 24-APR-1995
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/232,545
 FILING DATE: 22-APR-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9096
 TELEX: (212) 869-9741
 INFORMATION FOR SEQ ID NO: 18:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 509 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: protein

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PCT-US95-05008-8

Query Match Score 340; DB 5; Length 509;
Best Local Similarity 40.6%; Pred. No. 3.5e-28;
Matches 73; Conservative 26; Mismatches 71; Indels 10; Gaps 2;

Qy   26 VTMEEAERSKAT-----AVAGSFPGGPABSLRIGEPTIVSFDGDMWVILBEVSRE 79
Db    49 VTYEGSNPPASPLQDNVLIAHHSYEPASHDGLGFBKGEOIRLQSGEWKAQSLLTGOE 108
Qy   80 YNIPSYHVGVKS----HGWLVEGLSREKAELLJLPGNPGCAFJRESORTRGSSYLSVR 135
Db   109 GFIPFFNVAKANSLEEPWFFKNLSKRDARQQLIAPGNTFGSFLRESSTAGSFSLSVR 168
Qy   136 LSRPASWDRIHYRTHCOLDNGWLYISPRLFPSLQALVDHYSELADDICCLKEPCVLR 195
Db   169 DFDQNOGEVWVKYKERNLDNGGYFISPRITFPLGHLYRHTNASDGLCTRLSRPCQTQK 228
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Search completed: July 19, 2004, 20:11:12
 Job time : 20 secs

Gencore version 5.1.6
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OM protein - protein search, using SW mode[1]

Run on: July 19, 2004, 20:05:56 ; Search time 46 Seconds

(without alignments)

1773.442 Million cell updates/sec

Title: US-09-939-853a-75

Perfect score: 1353

Sequence: 1 MGSLPSRRKSLPSSV.....RESISFYISLNDEAVSLDDA 261

Scoring table: BLOSUM62

Gapop 10.0 , Gadext 0.5

Searched: 1285345 seqs, 31256033 residues

Total number of hits satisfying chosen parameters: 1285345

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	100.0	261	12	US-09-919-853A-75	Sequence 75, App1
2	134.7	99.6	261	12	US-09-919-853A-77
3	134.7	99.6	261	14	US-10-043-649-2
4	103.6	76.6	197	12	US-09-919-853A-78
5	82.6	61.0	159	9	US-09-867-550-954
6	74.7.5	55.2	179	12	US-09-919-853A-79
7	58.6	43.3	113	9	US-01-867-550-1916
8	491.5	36.3	281	12	US-09-919-853A-80
9	481.5	35.6	276	9	US-09-870-759-64
10	481.5	35.6	276	10	US-09-919-708-64
11	481.5	35.6	276	12	US-09-919-853A-81
12	481.5	35.6	276	14	US-10-043-649-3
13	452.5	33.4	96	9	US-01-867-550-952
14	370.5	27.4	511	15	US-10-354-322A-42
15	370.5	27.4	512	9	US-09-919-7269-16

RESULTS

US-09-939-853A-75 ; Sequence 75, Application US/09939853A
; Publication No. US2004039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US2004039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 214.02-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; PRIORITY APPLICATION NUMBER: 2001-08-27
; PRIOR FILING DATE: 2001-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/259,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; SOFTWARE: PatentNet Ver. 2.1
; SEQ ID NO: 75
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-939-853A-75

Query Match 100.0% ; Score 1353; DB 12; Length 261;
Best Local Similarity 100.0%; Pred. No. 6.9e-125;
Matches 261; Conservative 0; Missmatches 0; Gaps 0;
Qy 1 MGSLPSRKSLPSPLSSYQGQGVTMBAERSKATAVALGSFPAGPABLSLRLGEPLT 60
Db 1 MGSLPSRKSLPSPLSSYQGQGVTMBAERSKATAVALGSFPAGPABLSLRLGEPLT 60
; 1 IVSEDCDANTVLSSETSGREYNIPSYHGVKSHGMLYEGLSREKAEELLIIPGNPGAFJL 120
; 61 IVSEDCDANTVLSSETSGREYNIPSYHGVKSHGMLYEGLSREKAEELLIIPGNPGAFJL 120
; 61 IVSEDCDANTVLSSETSGREYNIPSYHGVKSHGMLYEGLSREKAEELLIIPGNPGAFJL 120

RESULT 2
 US-09-939-853A-77
 Sequence 77, Application US/09939853A
 Publication No. US2004039163A1
 GENERAL INFORMATION:
 APPLICANT: Burgess et al.
 TITLE OF INVENTION: No. US2004039163A1 Proteins and Nucleic Acids Encoding Same
 FILE REFERENCE: 21402-099
 CURRENT APPLICATION NUMBER: US/09/939, 853A
 CURRENT FILING DATE: 2001-08-27
 PRIOR APPLICATION NUMBER: 60/1228, 191
 PRIOR FILING DATE: 2000-08-25
 PRIOR APPLICATION NUMBER: 60/267, 300
 PRIOR FILING DATE: 2001-02-08
 PRIOR APPLICATION NUMBER: 60/269, 961
 PRIOR FILING DATE: 2001-02-20
 PRIOR APPLICATION NUMBER: 60/277, 337
 PRIOR FILING DATE: 2001-03-20
 NUMBER OF SEQ ID NOS: 159
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 77
 LENGTH: 261
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-939-853A-77

Query Match 99.6%; Score 1347; DB 12; Length 261;
 Best Local Similarity 99.6%; Pred. No. 2.7e-124;
 Matches 261; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MGSLPSRKSLPSPSLSSVQQGPVTTMEAERSKATAVALGSFPGGPAELSLRIGEPLT 60
 Db 1 MGSLPSRKSLPSPSLSSVQQGPVTTMEAERSKATAVALGSFPGGPAELSLRIGEPLT 60

Qy 61 IVSBDGDMWTVLSESGREYNIPSVHGVSHGWLVEGLSREKAELLLPGNPGAGFLI 120
 Db 61 IVSBDGDMWTVLSESGREYNIPSVHGVSHGWLVEGLSREKAELLLPGNPGAGFLI 120

Qy 121 RESQTRESYSLSVRLSPASWDRIRHYRTHLDNGWLYISPRLTFFPSLQLVDHYSELA 180
 Db 121 RBSQTRRSYSLSVRLSPASWDRIRHYRTHLDNGWLYISPRLTFFPSLQLVDHYSELA 180

Qy 181 DDICCLKEPCVLRQAGPLGKDIPLFTVORTPLNWKLDSLLFEATGEESLLSEG 240
 Db 181 DDICCLKEPCVLRQAGPLGKDIPLFTVORTPLNWKLDSLLFEATGEESLLSEG 240

Qy 241 LRESLSFYISLNDEAVSLDDA 261
 Db 241 LRESLSFYISLNDEAVSLDDA 261

RESULT 4
 US-09-939-853A-78
 Sequence 78, Application US/09939853A
 Publication No. US2004039163A1
 GENERAL INFORMATION:
 APPLICANT: Burgess et al.
 TITLE OF INVENTION: No. US2004039163A1 Proteins and Nucleic Acids Encoding Same
 FILE REFERENCE: 21402-099
 CURRENT APPLICATION NUMBER: US/09/939, 853A
 CURRENT FILING DATE: 2001-08-27
 PRIOR APPLICATION NUMBER: 60/1228, 191
 PRIOR FILING DATE: 2000-08-25
 PRIOR APPLICATION NUMBER: 60/267, 300
 NUMBER OF SEQ ID NOS: 159
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 78
 LENGTH: 197
 TYPE: PRT
 ORGANISM: Homo sapiens

RESULT 3
 US-10-043-649-2
 Sequence 2, Application US/10043649
 Publication No. US20030059924A1
 GENERAL INFORMATION:
 APPLICANT: Holland, Sacha J.
 APPLICANT: Mendenhall, Marcy K.
 APPLICANT: Pardo, Jorge
 APPLICANT: Spencer, Collin

Qy 121 RESQTRGSYSLSVLSPASWDRIRHYRTHLDNGWLYISPRLTFFPSLQLVDHYSELA 180
 Db 121 RESQTRGSYSLSVLSPASWDRIRHYRTHLDNGWLYISPRLTFFPSLQLVDHYSELA 180

Qy 121 RESQTRGSYSLSVLSPASWDRIRHYRTHLDNGWLYISPRLTFFPSLQLVDHYSELA 180
 Db 121 RESQTRGSYSLSVLSPASWDRIRHYRTHLDNGWLYISPRLTFFPSLQLVDHYSELA 180

Qy 181 DDICCLKEPCVLRQAGPLGKDIPLFTVORTPLNWKLDSLLFEATGEESLLSEG 240
 Db 181 DDICCLKEPCVLRQAGPLGKDIPLFTVORTPLNWKLDSLLFEATGEESLLSEG 240

Qy 241 LRESLSFYISLNDEAVSLDDA 261
 Db 241 LRESLSFYISLNDEAVSLDDA 261

US-09-939-853a-78

Query Match 76.6%; Score 1036; DB 12; Length 197;
 Best Local Similarity 99.5%; Pred. No. 8.8e-94;
 Matches 196; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 65 DGDWWTVLSEYSGREYNIPSYHGVSHMLYEGLSREKAEELLIPGPGGAFLIREQ 124
 Db 1 DGDWWTVLSEYSGREYNIPSYHGVSHMLYEGLSREKAEELLIPGPGGAFLIREQ 60

Qy 125 TRGSVSSLVRLSPASLTPSPQLDHYSELADDIC 184
 Db 1 TRGSVSSLVRLSPASLTPSPQLDHYSELADDIC 120
 Db 61 CILKEPCVTLQRAGPLPKDIP-LPTVQRTPLNWKELDSLIFSEATGBESSLSEGRLS 244
 Qy 185 CILKEPCVTLQRAGPLPKDIP-LPTVQRTPLNWKELDSLIFSEATGBESSLSEGRLS 244
 Db 121 CILKEPCVTLQRAGPLPKDIP-LPTVQRTPLNWKELDSLIFSEATGBESSLSEGRLS 180

Qy 245 LSFYISINDEAVSLDDA 261
 Db 181 LSFYISINDEAVSLDDA 197

RESULT 5

US-09-867-550-954

Sequence 954, Application US/09867550

Patent No. US20020082206A1

GENERAL INFORMATION:

APPLICANT: Leach, Martin D.

APPLICANT: Mehraban, Fuaad,

APPLICANT: Conley, Pamela

APPLICANT: Law, Debbie

APPLICANT: Topper, James

TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and

FILE REFERENCE: 21402-013 (Cura-313)

CURRENT APPLICATION NUMBER: US/09867550

CURRENT FILING DATE: 2001-05-20

PRIORITY NUMBER: US20020082206A1

PRIORITY FILING DATE: 2000-05-30

NUMBER OF SEQ ID NOS: 2125

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 954

LENGTH: 159

TYPE: PRT

ORGANISM: Homo sapiens

US-09-867-550-954

Query Match 61.0%; Score 826; DB 9; Length 159;

Best Local Similarity 99.4%; Pred. No. 3.4e-73; 0; Mismatches 1; Indels 0; Gaps 0;

Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MGSLPSRKRSLPSLSSSVQGCPVTMEARSKATVALGSFPAGGPAAELSRLIGEPLT 60
 Db 1 MGSLPSRKRSLPSLSSSVQGCPVTMEARSKATVALGSFPAGGPAAELSRLIGEPLT 60Qy 61 IVSEDDWMTVLSVSGRSYNSIPSYHGVSHMLYEGLSREKAEELLIPGPNPGGAFLI 120
 Db 61 IVSEDDWMTVLSVSGRSYNSIPSYHGVSHMLYEGLSREKAEELLIPGPNPGGAFLI 120Qy 121 RESQTRGGSYSLSVRLSPASWDRIRHRIHDNGWLX 159
 Db 121 RESQTRGGSYSLSVRLSPASWDRIRHRIHDNGWLX 159

RESULT 6

US-09-939-853a-79

Sequence 79, Application US/09939853A

Publication No. US20040039163A1

GENERAL INFORMATION:

APPLICANT: Burgess et al.

TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same

FILE REFERENCE: 21402-099

CURRENT APPLICATION NUMBER: US/09/939-853A

CURRENT FILING DATE: 2001-08-27

PRIOR APPLICATION NUMBER: 60/1228-191

PRIOR FILING DATE: 2000-08-25

PRIOR APPLICATION NUMBER: 60/1267-300

PRIOR FILING DATE: 2001-02-08

PRIOR APPLICATION NUMBER: 60/1269-961

PRIOR FILING DATE: 2001-02-20

PRIOR APPLICATION NUMBER: 60/1277-337

PRIOR FILING DATE: 2001-03-20

NUMBER OF SEQ ID NOS: 159

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO: 79

LENGTH: 179

TYPE: PRT

ORGANISM: Mus musculus

US-09-939-853A-79

Query Match 55.2%; Score 747.5; DB 12; Length 179;

Best Local Similarity 81.8%; Pred. No. 2.3e-65; 0; Mismatches 11; Conservatve 11; Indels 3; Gaps 2;

Matches 148; Conservatve 11; Indels 3; Gaps 2;

Qy 82 IPSVYGVKGWYGLSREKAEELLIPGPNPGGAFLIREQOTRGYSISYVRLSPAS 141
 Db 1 MPSVYVAYAHGNYEGLSREKAEELLIPGPNPGGAFLIREQOTRGYSISYVRLSPAS 60Qy 142 WDRIRHYRHCLDNGWLXTSPLTFPSLQALDHYSELADDICCLLKEPCVLRQAGPLPG 201
 Db 61 WDRIRHYRHCLDNGWLXTSPLTFPSLHALVEHYSELADGICCPLEPCVLRQKLGPPLG 120Qy 202 KDIPLPVYVORTPLWKELDSLIFSEA-ATGBESSLSEGRLRESLSFYTISLNDBAVIDD 260
 Db 121 KDTPPVPTVPTSSLWNKCLDRSLFILEPASGEASLLSEGRLRESLSFYTISLAED-PLDD 178

Qy 261 A 261

Db 179 A 179

RESULT 7

US-09-867-550-1916

Sequence 1916, Application US/09867550

Patent No. US20030082206A1

GENERAL INFORMATION:

APPLICANT: Leach, Martin D.

APPLICANT: Mehraban, Fuaad,

APPLICANT: Conley, Pamela

APPLICANT: Law, Debbie

APPLICANT: Topper, James

APPLICANT: Conley, Debbie

APPLICANT: Law, Debbie

APPLICANT: Topper, James

TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and

Title of Invention: Therein Xaa may be any one of Arg or Gly or Trp

FILE REFERENCE: Sequence 1916, Application US/09867550

Patent No. US20030082206A1

FILE REFERENCE: Sequence 1916, Application US/09867550

GENERAL INFORMATION:

APPLICANT: Leach, Martin D.

APPLICANT: Mehraban, Fuaad,

APPLICANT: Conley, Pamela

APPLICANT: Law, Debbie

APPLICANT: Topper, James

APPLICANT: Conley, Debbie

APPLICANT: Law, Debbie

APPLICANT: Topper, James

TITLE OF INVENTION: Therein Xaa may be any one of Arg or Gly or Trp

FILE REFERENCE: Sequence 1916, Application US/09867550

Patent No. US20030082206A1

FILE REFERENCE: Sequence 1916, Application US/09867550

OTHER INFORMATION: Wherein Xaa may be any one of Arg or Gly or Trp

US-09-867-550-1916

Query Match 43.3%; Score 586; DB 9; Length 113;

Best Local Similarity 100.0%; Pred. No. 1e-49; 0; Mismatches 0; Conservatve 0; Indels 0; Gaps 0;

Qy 150 IHCLDNGWLXTSPLTFPSLQALDHYSELADDICCLLKEPCVLRQAGPLPGKD1PLPV

RESULT 8

Db 2 IHCIDNGWYIYSPRLTFSLQLVDHYSELADDICCLKEPCVLRQAGPLGKDPFLPVT 61
 ; Sequence 80, Application US/09939853A
 ; GENERAL INFORMATION:
 ; APPLICANT: Burgess et al.
 ; TITLE OF INVENTION: No. US20040039163A1 **Proteins and Nucleic Acids Encoding Same**
 ; CURRENT APPLICATION NUMBER: US/09/939, 853A
 ; CURRENT FILING DATE: 2001-08-27
 ; PRIOR APPLICATION NUMBER: 60/228,191
 ; PRIOR FILING DATE: 2000-08-15
 ; PRIOR APPLICATION NUMBER: 60/267,300
 ; PRIOR FILING DATE: 2001-02-08
 ; PRIOR APPLICATION NUMBER: 60/269,961
 ; PRIOR FILING DATE: 2001-02-20
 ; PRIOR APPLICATION NUMBER: 60/277,337
 ; PRIOR FILING DATE: 2001-03-20
 ; NUMBER OF SEQ ID NOS: 159
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 80
 ; LENGTH: 281
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 US-09-939-853A-80

Query Match 36.3%; Score 491.5%; DB 12; Length 281;
 Best Local Similarity 43.6%; Pred. No. 7.8e-40;
 Matches 115; Conservative 38; Mismatches 82; Indels 29; Gaps 7;

Db 9 KSLPSPS--LSSSYOGQGPVTEAERSKATAVALGSFPGGPAELSLRIGEPLTIVS
 6 KSTPAPASPLSS-----EGLESDFLAV-LTDYPSDSDPIPRGERLRSIDE 55
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
 ; CURRENT APPLICATION NUMBER: US/09/751,708A
 ; CURRENT FILING DATE: 2002-10-15
 ; PRIOR APPLICATION NUMBER: US 60/173,371
 ; PRIOR FILING DATE: 1999-12-28
 ; NUMBER OF SEQ ID NOS: 166
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 64
 ; LENGTH: 276
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-751-708A-64

RESULT 9

Db 2 VQTRPLNKKELDSSLRSEAACTGEEESLLSEGRELSSFYISLNDEAVSLDDA 261
 ; Sequence 21.0, Application US/09939853A
 ; GENERAL INFORMATION:
 ; APPLICANT: TERMAN, David S
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
 ; FILE REFERENCE: 870759
 ; CURRENT APPLICATION NUMBER: US/09/870,759
 ; CURRENT FILING DATE: 2002-01-14
 ; PRIOR APPLICATION NUMBER: US 60/200,128
 ; PRIOR FILING DATE: 2000-05-30
 ; NUMBER OF SEQ ID NOS: 166
 ; SOFTWARE: PatentIn version 3.1

Query Match 35.6%; Score 481.5%; DB 10; Length 276;
 Best Local Similarity 40.3%; Pred. No. 7.3e-39;
 Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;

Db 9 KSLPSPSLSSSVQCGGPVTEAERSKATAVALGSFPGGPAELSLRIGEPLTIVS
 6 KSTPAPASPLSS-----EGLESDFLAV-LTDYPSDSDPIPRGERLRSIDE 55
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
 ; CURRENT APPLICATION NUMBER: US/09/751,708A
 ; CURRENT FILING DATE: 2002-10-15
 ; PRIOR APPLICATION NUMBER: US 60/173,371
 ; PRIOR FILING DATE: 1999-12-28
 ; NUMBER OF SEQ ID NOS: 166
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 64
 ; LENGTH: 276
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-751-708A-64

Query Match 35.6%; Score 481.5%; DB 10; Length 276;
 Best Local Similarity 40.3%; Pred. No. 7.3e-39;
 Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;

Db 9 KSLPSPSLSSSVQCGGPVTEAERSKATAVALGSFPGGPAELSLRIGEPLTIVS
 6 KSTPAPASPLSS-----EGLESDFLAV-LTDYPSDSDPIPRGERLRSIDE 55
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
 ; CURRENT APPLICATION NUMBER: US/09/751,708A
 ; CURRENT FILING DATE: 2002-10-15
 ; PRIOR APPLICATION NUMBER: US 60/173,371
 ; PRIOR FILING DATE: 1999-12-28
 ; NUMBER OF SEQ ID NOS: 166
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 64
 ; LENGTH: 276
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-751-708A-64

Query Match 35.6%; Score 481.5%; DB 10; Length 276;
 Best Local Similarity 40.3%; Pred. No. 7.3e-39;
 Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;

Db 9 KSLPSPSLSSSVQCGGPVTEAERSKATAVALGSFPGGPAELSLRIGEPLTIVS
 6 KSTPAPASPLSS-----EGLESDFLAV-LTDYPSDSDPIPRGERLRSIDE 55
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
 ; CURRENT APPLICATION NUMBER: US/09/751,708A
 ; CURRENT FILING DATE: 2002-10-15
 ; PRIOR APPLICATION NUMBER: US 60/200,128
 ; PRIOR FILING DATE: 2000-05-30
 ; NUMBER OF SEQ ID NOS: 166
 ; SOFTWARE: PatentIn version 3.1

Db 230 RESIASYLSTSE 242

RESULT 11
US-09-939-853A-81
Sequence 81, Application US/0939853A
Publication No. US2004039163A1

GENERAL INFORMATION:
TITLE OF INVENTION: No. US2004039163A1 Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 214402-099
CURRENT FILING DATE: 2001-08-27
PRIORITY NUMBER: US/09/939,853A
PRIORITY NUMBER: 60/228,191
PRIORITY NUMBER: 60/267,300
PRIORITY NUMBER: 60/269,961
PRIORITY NUMBER: 60/277,337
PRIORITY NUMBER: 60/277,337
PRIORITY NUMBER: 60/277,337
NUMBER OF SEQ ID NOS: 159
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 81
LENGTH: 276
TYPE: PRT
ORGANISM: Homo sapiens
US-09-939-853A-81

Query Match 35.6%; Score 481.5; DB 14; Length 276;
Best Local Similarity 40.3%; Pred. No. 7..3e-39;
Matches 102; Conservative 43; Mismatches 85; Indels 23; Gaps 4;

Db 9 KSLPSLSSVQGQPYTMEAERSKATAVALGSFPGPAELSLRGEPLTIVSEDGDW 68
6 KSTPAPA-----ERPLPNPEGIDSDFLAVSDYSPSDISPRFERGEKRVISDEGGW 58

Qy 9 WTVLSEVSREYNIPSVHVGKVSHGWLYEGLSREKAELLLPGNPGAFIREQOTRG 128
Db 59 WKAISLSIGRESVYPIGICVARYHGWLFEGLGKDKEBELLQLPDTKVGSFMIRESETKKG 118

Qy 129 SYSLSVRLSRPASWDRIRHYRHCLDNGWLYTSPRITPSLQLDVHYSELLADICCLK 188
Db 119 FVSLSVR----HRQVHYRFLRPLPNWYYSPRITFQCLDVHYSVEADGCCVLT 172

Qy 189 EPCVLQRAGPLPGKDIDLPLPVTOPTPLNWKELDSLFFSEARTG-----EBSLSEG 241
Db 173 TPCUTQSTAAPAVRASSSPVTLRKQTVDWRVSR--LQEDPEGTENPLGVDESLSFSYGL 229

Qy 242 RESLSFYSLNDE 254
Db 230 RESTASYLSLTSE 242

RESULT 13
US-09-867-550-952
Sequence 952, Application US/09867550
Patent No. US2004082206A1

GENERAL INFORMATION:
APPLICANT: Lach, Martin D.
APPLICANT: Mehraban, Firdaus
APPLICANT: Conley, Pamela
APPLICANT: Law, Debbie
APPLICANT: Topper, James

TITLE OF INVENTION: The sebry
FILE REFERENCE: 11402-013 (Cura-312)
CURRENT APPLICATION NUMBER: US/09/867,550
CURRENT FILING DATE: 2001-09-20
PRIOR APPLICATION NUMBER: US/09/82206A1
PRIOR FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 2125
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 952

TYPE: PRT
ORGANISM: Homo sapiens
US-09-867-550-952

Query Match 33.4%; Score 452.5; DB 9; Length 96;
Best Local Similarity 7.8%; Pred. No. 1..2e-36;
Matches 96; Conservative 0; Mismatches 0; Indels 29; Gaps 1;

Db 1 MGSLSRKSILPSPLSSVYQGQPYTMAERSKATAVALGSFPGPAELSLRGEPLT 60
1 MGSLSRKSILPSPLSSVYQGQPYTMAERSKATAVALGSFPGPAELSRLRGEPLT 60

Qy 61 IVSEIDGDWNTVLSVSESGREYNIPSVTHVGKVSHGWLYEGLSREKAELLPLGPFGAFLI 120

TITLE OF INVENTION: Cloning of a No. US20030059924A1 Inhibitor of Antigen-receptor

Query	Match	27.4%	Score 370.5;	DB 15;	Length 511;
Best Local Matches	Similarity 39.8%;	Pred. No. 1.6e-27;			
Matches 80;	Conservative 36;	Mismatches 76;	Indels 9;	Gaps 3	
Qy	6	SRRKLPSPLSSVYQQGPVTTMARESITATAVALGSFAGGPABELSRLGRPLTIVSY	65		
Db	37	SNKQQRPVPE-SQLLPQRFQTPKEBQDIIVWLYPDGHPDDLSKKKGKMKVLEH	95		
Qy	66	GDWWTVLSEVSGREYNTNIPSYHVGVV-----SHGMWYEGLSREKAEBELLLPQNGPQGAFLIR	121		
Db	96	GEMWKAKSLTKEGFPSNVYVAKLNTLEETENFKDTRKDAEROLLAPGNSAGAFLIR	155		
Qy	122	ESQTGRGSYSVLSVRSPAWDRHYRTHCDLGWLTSPLRUTFPSQALQYDHSELAID	181		
Db	156	ESETLKGSFSIYSTVDFDPYHGDVLYKHVKIRSLDNGGYISPRITPPC1SDMIKYHQROAD	215		
Qy	182	DICCLLKEPCKVCLQRAQPLPK	202		
Db	216	GRCPDPLKTCVLT-SPKVVK	222		

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RESULT 15
US-09-977-269-16
sequence 16, Application US/09977269
; GENERAL INFORMATION:
; Patent No. US2002008237A1
; APPLICANT: ULLRICH, AXEL
; APPLICANT: GISHZKY, MIKHAIL
; APPLICANT: SURIS, IRMINI GARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1260
; CURRENT APPLICATION NUMBER: US/09 977, 269
; CURRENT FILING DATE: 2001-10-16
; PRIORITY NUMBER: 08/232, 545
; PRIORITY FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 512
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-977-269-16
27 1% Searched 370 5. DB 0. London 512
Query: March

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Run on: July 25, 2004, 02:23:22 ; Search time 83 Seconds

(without alignments)

1745.087 Million cell updates/sec

Title: US-09-939-853A-75

Perfect score: 1353

Sequence: 1 MGSPRSRKRSLPSSLSSV.....RESISFYISLNDAVSLDDA 261

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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-LOOPENT=0 -UNITS Bits -START=1 -END=1 -TRANS=human0.cdi
-LIST=45 -DOALIGN=200 THR SCORE=PCT THR MAX=100 THR MIN=0 -ALIGN=15
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-USER=US0939853 @CGN 1.1 -NEG_S60@runat 20072004 103721_12164 -NCPU=3
-NO_MMAR -LARGEQUERY -NEG_SCORES=0 -WAIT_DSPBLOCK=100 -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPO=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7
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Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	370.5	27.4	2298	4	US-09-023-655-1158
2	360.5	26.6	2015	4	US-09-023-655-1105
3	334.0	25.1	2129	4	US-09-016-434-1452
4	323	23.9	2435	4	US-09-023-555-1313
5	320	23.7	2647	5	PCT-US93-06251-77
6	320	23.7	2647	5	PCT-US93-06251-77
7	315.5	23.3	4517	4	US-09-470-881-7
8	313.5	23.3	4517	5	PCT-US93-06251-83
9	313.5	23.2	1491	2	US-09-006-675-1
10	313.5	23.2	1491	3	US-09-228-603A-1
11	312.5	23.1	2354	4	US-09-023-655-080
12	289	21.4	1759	4	US-09-470-881-2

ALIGNMENTS

```
RESULT 1
US-09-023-655-1158
; Sequence 1158, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
;   APPLICANT: Cocks, Benjamin G.
;   APPLICANT: Susan G. Stuart
;   APPLICANT: Jeffrey J. Seilhamer
;   APPLICANT: Cocks, Benjamin G.
;   APPLICANT: Susan G. Stuart
;   TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
;   NUMBER OF SEQUENCES: 1538
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
;   STREET: 3174 PORTER DRIVE
;   CITY: PALO ALTO
;   STATE: CALIFORNIA
;   COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/023,655
;   FILING DATE: HERWITH
;   CLASSIFICATION:
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Zellner, Karen J.
;   REGISTRATION NUMBER: 37,071
;   REFERENCE/DOCKET NUMBER: PA-0001 US
;   TELECOMMUNICATION INFORMATION:
```

TELEPHONE: (650) 855-0555
 TELEFAX: (650) 845-4166
 INVENTION FOR SEQ ID NO.: 1158:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2298 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLONE: 9187268
 US-09-023-655-1158

Alignment Scores:
 Pred. No.: 9.15e-30 Length: 2298
 Score: 370.50 Matches: 80
 Percent Similarity: 57.71% Conservative: 36
 Best Local Similarity: 39.30% Mismatches: 76
 Query Match: 27.38% Indels: 9
 DB: 4 Gaps: 3

US-09-939-853A-75 (1-261) x US-09-023-655-1158 (1-2298)

Qy 6 Ser Arg Arg Gly Ser Leu Pro Ser Pro Ser Leu Ser Ser Val Glu Gly Cys Gly Pro 25
 Db 409 TCC ATA AAC AGC CA AAG CC AAG GG CAG T CC AAG A -- TCT CAG GT TT AC CT GG AG AG GT TT 465
 Qy 26 Val Thr Met Leu Ala Glu Arg Ser Lys Ala Val Ala Leu Gly Ser Ser Pro Ala 45
 Db 466 CAA ACT AA GAT CC AG AG GAA CAG GAC AT GT GG TAG CC TT GT ACC CC TT AT GAT GGC 525
 Qy 46 Gly Asp Pro Ala Glu Leu Ser Leu Arg Glu Leu Pro Leu Ser Gly Pro 65
 Db 526 AT CCA CCG CAG CAG CT TG CCT TT CAA GA AG GAG AAT GAA AG TC TG AG GG CAT 585
 Qy 66 Gly Asp Pro Trp Thr Val Leu Ser Glu Val Ser Gly Arg Glu Tyr Asn Leu Pro Ser Val 85
 Db 586 GG AG AT GT GG AA AG CA AG TC C CTT TT A CAA AAA AAG AAG AG CT C T C C C C A A C 645
 Qy 86 His Val Glu Lys Val ----- Ser His Glu Gly Pro Leu Tyr Glu Gly Leu Ser Arg 101
 Db 646 TAT GT GGC CAA CAC CCT TA GAA AAC AG AG T C T C A C C A G G A T A A C C A G G 705
 Qy 102 Glu Asp Alanine Leu Leu Ser Leu Arg Glu Leu Pro Leu Ser Val Glu Val Ser Gly 121
 Db 706 AAG GAC CG C G A A A G C C G G T T T T G C A C A G G A A A T A G C G C T T C C T T A T G A 765
 Qy 122 Glu Ser Gln Thr Arg Arg Gly Ser Tyr Ser Leu Ser Val Arg Pro Leu Pro Leu Arg 141
 Db 766 G R A A T G A A N C A T T A A A G C A T T C T C T C T C A G A C T T G C A G C T T G C A T 825
 Qy 142 Trp Asp Arg Leu 161
 Db 826 G G T A G T G T A T T A A G C A T C A A A T T A G A A G T C T G A T T A C A T C T C T 885
 Qy 162 Pro Arg Leu Thr Pro Ser Leu Glu Val Ala Leu Val Asp Histidine Ser Glu Leu Ala Asp 181
 Db 886 C C A G A T A A T C A T T T C C C G T A T C A G C S A C A T G A T T A A A C A T T A C C A A G C A G G A T A R 945
 Qy 182 Asp Ile Cys Cys Leu Leu Ile Leu Gly Pro Cys Val Leu Glu Arg Ala Glu Gly Pro Glu 201
 Db 946 G G C T T G T G D A G A A G T T G E G A A G G C T G T A T T A C T C C A G G C C A G 993
 Qy 202 Lys 202
 Db 994 AAG 996

RESULT 2
 US-09-023-655-1105
 Sequence 1105 Application US/09023655
 Patent No. 6607879
 GENERAL INFORMATION
 APPLICANT: Cocks, Benjamin G.

Query Match: 25.13% Indels: 10
 DB: 4 Gaps: 2

US-09-939-853A-75 (1-261) x US-09-016-434-1452 (1-2129)

Qy 108 LeuLeuLeuProDlyAsnProGlyAlaPheLeuIleArgGluSerGlnThrArgArg 127
 Db 577 CTGGTGGCTCCGGCAACATGGCTGGCTCATGTCGGATAAGGAGCACTAA 636

Qy 128 GluSerTrpSerLeuSerValArgLeuSerArgProAlaSerTrpAspArgIleGlyHis 147
 Db 637 GGAGGCTACTCTTGTCGTGCGCTCGAGACTACGACCCCTGGCAGGATAACAT 696

Qy 148 TyrArgLysHisCysLeuAspAsnGlyTrpLeuTyrlleSerProArgLeuThrPhePro 167
 Db 697 TAAAGAACCCGACCCCTGGCTGACACGGGCTCTACATATCCCCGAAAGACCTTCAGC 756

Qy 168 SerLeuGinAlaLeuValAspHistYsTerGluLeuAlaAspAspIleCysCysLeuLeu 187
 Db 757 ACTTGCGGGAGGTGTTGGACCACTACAGAAGGGAAACGACGGCTCTGCCAGAAACTG 816

Qy 188 LysGluProCysVal 192
 Db 817 TCGGTCCTGATG 831

RESULT 3
 US-09-016-434-1452
 / Sequence 1452, Application US/09016434
 / Patent No. 6500938

GENERAL INFORMATION:
 / APPLICANT: Janice Au-Young
 / ATTORNEY: Jeffrey J. Seilhamer
 / TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
 / TITLE OF INVENTION: PATHWAY GENE EXPRESSION
 / NUMBER OF SEQUENCES: 1490
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 / STREET: 3174 PORTER DRIVE
 / CITY: PALO ALTO
 / STATE: CALIFORNIA
 / ZIP: 94304

COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: WORD Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/09/016,434
 / FILING DATE: HEREWITH

CLASSIFICATION:
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER:
 / FILING DATE:
 / CLASSIFICATION:
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Zeller, Karen J.
 / REGISTRATION NUMBER: 37,071
 / REFERENCE/DOCKET NUMBER: PA-0002 US

TELECOMMUNICATION INFORMATION:
 / TELEFAX: (650) 855-0555
 / INFORMATION FOR SEQ ID NO: 1452:
 / LENGTH: 2129 base pairs
 / TYPE: nucleic acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / IMMEDIATE SOURCE:
 / LIBRARY: GENBANK
 / CLONE: 9775207

US-09-016-434-1452
 Alignment Scores:
 / Pred. No.: 1.52e-26
 / Score: 340.00
 / Percent Similarity: 55.00%
 / Best Local Similarity: 40.56%

Length: 2129
 Matches: 73
 Conservative: 26
 Mismatches: 71

DB: 384 GGCTTATCCCCTTCATTTGTCGCCAAAGGAAAGCTGGCCAAACCTGGRTC 443
 / 96 TyrGluGlyLeuSerArgGlyIleGluLeuLeuLeuProGlyAsnProGly 115
 / 444 TTCAAGAACCTGACCCGCAAGGACCGGGAGGAGGACCCGGGATCTGCCTGGCCCGGAAATACTAC 503
 / 116 GlyAlaPheLeuIleArgGluSerGlnThrArgGlySerTySerLeuSerValArg 135
 / 504 GGCTCTTCTCTCATCGGGAGGGAGGAGGACCCGGGATCTGCCTGGCCG 563
 / 136 LeuSerArgProAlaSerTrpAspArgIleArgHisTyArgLysSerVal 155
 / 564 GACTTGACCGAACCGGGAGGGTGGTGAACATTACAAGTCGTAATCTCGACAC 623
 / 156 GlyTrpLeuTyrlleSerProArgLeuThrPheProSerIeuGlnAlaLeuValAspHis 175
 / 624 GGTGGTTCTACATCCCTCGANTCAGTCATTTCCGGCTGCTGAATTTGGCCCT 683
 / 176 TyrSerGluLeuAlaAspAspIleCysLeuLeuLysGluProCysValLeuLysArg 195
 / 684 TACCCAATGCTTCAGATGGCTGACGGTTGACGGCTGACGGCCCTGGCAGACCGAGAAG 743

RESULT 4
 US-09-023-655-1313
 / Sequence 1313, Application US/09023655
 / Patent No. 6607879
 / GENERAL INFORMATION:
 / APPLICANT: Cocks, Benjamin G.
 / APPLICANT: Susan G. Smart
 / APPLICANT: Jeffrey J. Seilhamer
 / TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
 / TITLE OF INVENTION: EXPRESSION
 / NUMBER OF SEQUENCES: 1508
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 / STREET: 3174 PORTER DRIVE
 / CITY: PALO ALTO
 / STATE: CALIFORNIA
 / COUNTRY: USA
 / ZIP: 94304
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS 6.2
 / SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/09/023,655
 / FILING DATE: HEREWITH
 / CLASSIFICATION:
 / PRIORITY APPLICATION NUMBER:
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Zeller, Karen J.
 / REGISTRATION NUMBER: 37,071
 / REFERENCE/DOCKET NUMBER: PA-0002 US

TELECOMMUNICATION INFORMATION:
 / TELEFAX: (650) 845-4166
 / IMMEDIATE SOURCE:
 / LIBRARY: GENBANK
 / CLONE: 9775207

US-09-023-655-1313
 Alignment Scores:
 / Pred. No.: 1.52e-26
 / Score: 340.00
 / Percent Similarity: 55.00%
 / Best Local Similarity: 40.56%

Length: 2129
 Matches: 73
 Conservative: 26
 Mismatches: 71

Classification:
 / PRIORITY APPLICATION NUMBER:
 / FILING DATE:
 / CLASSIFICATION:
 / ATTORNEY/AGENT INFORMATION:

NAME: Zeller, Karen J.
 REGISTRATION NUMBER: 37 071
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 855-0555
 INFORMATION FOR SEQ ID NO: 1313:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2435 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLONE: 938227
 US-09-023-655-1313

Alignment Scores:

Pred. No.:	Length:	Score:	Matches:	Conservative:	Mismatches:	Indels:	Gaps:
Qy 23	2435	1.24e-24	323.00	51.74%	23	2	4
Db 567	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 507	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 24	2435	1.24e-24	323.00	51.74%	23	2	4
Db 625	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 36	2435	1.24e-24	323.00	51.74%	23	2	4
Db 626	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 56	2435	1.24e-24	323.00	51.74%	23	2	4
Db 688	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 75	2435	1.24e-24	323.00	51.74%	23	2	4
Db 746	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 91	2435	1.24e-24	323.00	51.74%	23	2	4
Db 806	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 111	2435	1.24e-24	323.00	51.74%	23	2	4
Db 866	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 131	2435	1.24e-24	323.00	51.74%	23	2	4
Db 926	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 151	2435	1.24e-24	323.00	51.74%	23	2	4
Db 986	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 171	2435	1.24e-24	323.00	51.74%	23	2	4
Db 1046	2435	1.24e-24	323.00	51.74%	23	2	4
Qy 191	2435	1.24e-24	323.00	51.74%	23	2	4
Db 1106	2435	1.24e-24	323.00	51.74%	23	2	4

RESULT 5

US-09-220-132-77

Sequence 77, Application US-09220132
 Patent No. 6506607
 GENERAL INFORMATION:
 APPLICANT: Shyjan, Andrew W.
 TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT OF PROSTATE CANCER
 FILE REFERENCE: 0734-074001
 CURRENT APPLICATION NUMBER: US-09-220-132
 PRIORITY APPLICATION NUMBER: US-60-079,303
 PRIORITY FILING DATE: 1998-03-25
 PRIORITY APPLICATION NUMBER: US-60-068,821
 NUMBER OF SEQ ID NOS: 191
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 77
 LENGTH: 2647
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-220-132-77

Alignment Scores:

Pred. No.:	Length:	Score:	Matches:	Conservative:	Mismatches:	Indels:	Gaps:
Qy 12	2647	2.97e-24	320.00	51.74%	24	2	3
Db 716	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 23	2647	2.97e-24	320.00	51.74%	24	2	3
Db 776	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 23	2647	2.97e-24	320.00	51.74%	24	2	3
Db 835	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 56	2647	2.97e-24	320.00	51.74%	24	2	3
Db 895	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 75	2647	2.97e-24	320.00	51.74%	24	2	3
Db 955	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 91	2647	2.97e-24	320.00	51.74%	24	2	3
Db 1015	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 111	2647	2.97e-24	320.00	51.74%	24	2	3
Db 1075	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 131	2647	2.97e-24	320.00	51.74%	24	2	3
Db 1135	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 151	2647	2.97e-24	320.00	51.74%	24	2	3
Db 1195	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 171	2647	2.97e-24	320.00	51.74%	24	2	3
Db 1255	2647	2.97e-24	320.00	51.74%	24	2	3
Qy 191	2647	2.97e-24	320.00	51.74%	24	2	3

Db 1315 TGT 1317
 RESULT 6
 PCT-US93-06251-77
 Sequence 7, Application PC/TUS9306251
 GENERAL INFORMATION:
 APPLICANT: Wickstrom, Eric and Rife, Jason P.
 TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing Stereospecific Alkylphosphonates
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
 STREET: 400 Garden City Plaza
 CITY: Garden City
 STATE: NY
 COUNTRY: USA
 ZIP: 11530
 COMPUTER READABLE FORM:
 COMPUTER: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/06251
 FILING DATE: 19930630
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: IIGI LIO, Frank S.
 REGISTRATION NUMBER: 31.346
 REFERENCE/DOCKET NUMBER: 8586
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 516-742-3443
 TELEX: 230 901 SANS UR
 INFORMATION FOR SEQ ID NO: 77:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2647 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 PCT-US93-06251-77

Alignment Scores:
 Pred. No.: 2.97e-24 Length: 2647
 Score: 320.00 Matches: 80
 Percent Similarity: 51.74% Conservative: 24
 Best Local Similarity: 39.80% Mismatches: 76
 Query Match: 23.65% Inels: 22
 DB: 5 Gaps: 3
 US-09-939-853A-75 (1-261) x PCT-US93-06251-77 (1-2647)

Qy 12 ProserProSerLeuSerSerSerValGlnGly-----22
 Db 716 CCATCCCCCACTAACTTACACTTACAGCTTTAGACTATGAAACCGAACAGAGTGACCTGAGTTTCACAA 894
 Qy 23 -----GlnGlyProValThrNetGluAlaGluArgSerlysAla 35
 Db 776 GTGTGAACATCTCGTCATACTGGGAACTTGGTAGAGGGAAACAGGAGTG-ACA 834
 Qy 36 ThrAlavaAlalaGlySerPhiProAlaGlyProAlaGlyLeuSerLeuArgLeu 55
 Db 835 CTCTTGTGGCCCTTATGACTATGAAACCGAACAGAGTGACCTGAGTTTCACAA 894
 Qy 56 GlyGluProLeuThrIleVal---SerGluAspGlyAspProTrpThrValLeuSerGlu 74
 Db 895 GGAAAATTCAATTGACAGCCTGGAGGATTTGGAAGCCGCTCTG 954
 Qy 75 ValSerGlyArgGluTyroAsnIleProSerValHisValGlyLysVal 90
 Db 955 AACATGGAGAGAGTTACATCCAGCAATTATGGCTCAAGTGCAGTCAG 1014

Qy 91 SerHisGlyTrpLeuTyrglyLeuSerArgGluLysAlaGluGluLeuLeuLeuLeu 110
 Db 1015 GCAGAAGAGTGACTCTTGGAAAACCTTGGCGAAAGATGCTGACGACAGCTATGTC 1074
 Qy 111 ProGlyAsnProGlyLysAlaPhenylLeuArgLysUserGlnThrArgArgGlySer 130
 Db 1075 TTGGAAACCCAAGGGTACCTTCTTATECGGAGAGGAAACCACCAAGGGCTAT 1134
 Qy 131 SerLeuSerValArgLeuSerArgProAlaSerTrpAspArgLysLeuArgHistYArgLys 150
 Db 1135 TCACTTCTATCGCATGGTCAATTGAAACATTATAAAATT 1194
 Qy 151 HisCysLeuAspArgTrpLeuIleSerProArgLeuThrPheProSerIleGln 170
 Db 1195 CGCAACTTGCAATGTGGATACTACATTACACCCGCCCCATTGAAACATTTCAG 1254
 Qy 171 AlaLeuValAspHisTyrSerGluLeuAlaAspAspPileCysCysLeuLeuLysGluPro 190
 Db 1255 CAGCTTGACACATTAATCTAGGAGAGCTGCAAGCTCTGCTGCCCTAGTGTAGTTCCC 1314
 Qy 191 Cys 191
 Db 1315 TGT 1317

RESULT 7
 US-09-470-881-7
 Sequence 7, Application US/09470881
 / Patent No. 6585938
 / GENERAL INFORMATION:
 / APPLICANT: CHERESH, David A.
 / APPLICANT: ELICHRIRI, Brian
 / TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR MODULATION OF ANGIogenesis AND VASCULAR PERMEABILITY USING SRC OR VES1 PROTEIN KINASES
 / TITLE OF INVENTION: YES1 PROTEIN KINASES
 / FILE REFERENCE: TSR1 651-2
 / CURRENT APPLICATION NUMBER: US/09/470,881
 / CURRENT FILING DATE: 1999-12-22
 / PRIOR APPLICATION NUMBER: PCT/US99/11780
 / PRIOR FILING DATE: 1999-05-28
 / PRIOR APPLICATION NUMBER: 60/087,220
 / PRIOR FILING DATE: 1998-05-29
 / NUMBER OF SEQ ID NOS: 8
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO 7
 / LENGTH: 4517
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (208)...(1836)
 / OTHER INFORMATION: human Yes-1 cDNA translated protein
 US-09-470-881-7

Alignment Scores:
 Pred. No.: 2.05e-23 Length: 4517
 Score: 315.50 Matches: 92
 Percent Similarity: 43.24% Conservative: 45
 Best Local Similarity: 29.02% Mismatches: 113
 Query Match: 23.32% Indels: 67
 DB: 4 Gaps: 9

US-09-939-853A-75 (1-261) x US-09-470-881-7 (1-4517)

Qy 2 GlySerLeuProSerArgGly-SerLeuProSerProSerLeuSerSerSerVal---20
 Db 304 GGAGGAGAACCCACATCACAGTGTACACATCTCCGTCATCTCAGAAAGGGAAACAGCAGTT 363
 Qy 21 -----GlnGlyProValThrNetGluAlaGluArgSerlysAla 35
 Db 364 ATTTCAGCAGTCTTCCATGACACATTTGGAGATCTCAGGGTAAAGCCTTGTGA 423
 Qy 31 GluArgSerIleAlaThrAlaValAlaLeuGlySerProAlaGly-----46

424 GGTGCACTCCATTTCAGTGGCCAAAGTCATATCCTGCTGTTAACAGGTGGT 483
 47 -----
 Qy :|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 484 GTTACTATTGIGGCCATTATGATTAAGCTAACAGAACCTTATT 543
 Qy ::|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:|||:
 Db 544 AAGAAGGTGAAAGATTCAAATAACAGGAAAGATGTTGGAAGCAAGA 603
 Qy 73 SerGluValArgLysAsnLeuSerValHisValGlyVal----- 90
 Db 604 TCAATCGCTACAGGAAAGATCATTAACTAACAGGAAAGATGTTGGAAGCA 663
 Qy 91 -----SerHisGlyTrpLeuGlyArgGluLeu----- 108
 Db 664 ATTCAGGCCAGAGATGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 723
 Qy 109 LeuLeuProGlyAlaPheLeuLeuArgGluSerGlnThrArgGly 128
 Db 724 TTGATCTGGAAATCAAGGAGTATTCTTAGTAGAAGGTGAAACAACTAAAGT 783
 Qy 129 SerTyrosSerLeuSerValArgLeuSerArgProAlaSerTidAspArgLeuArg---- 146
 Db 784 GCTTATTCCCTTCATTGCT-----GATGGATGAGATAAGGGTGAC 828
 Qy 147 -----HistylArgLysIleHisCysLeuAspAsnGlyTrpLeuLeuSerProArg 163
 Db 829 AATGTGAAACACTCAAAATTAGGAAACTGACATGGTGGATACTATCACAAACAGA 888
 Qy 164 LeuThrPheProSerLeuGlnAlaLeuValAlaAspHisTyrSerGluLeuAlaAspAspIle 183
 Db 889 GCACAATTGATACTCTGGAGAAATTGCTGAAACACTAACAGAAACATGCTCATGCTTA 948
 Qy 184 CysCysLeuLeuIysGluProCys-----valLength 194
 Db 949 TGCCCAAGGTGAACTTGCTGAACTGTGTCACACTGACTCAAGGTCTAGCAA 1008
 Qy 195 ArgAlaGlyIlyProLeuProGlyLysAspIleProLeuProValThrValGlnArg---- 212
 Db 1009 GATGTTGGAAAATCCCTGAGAATCTTGCTGACTGCTAGNGTTAAACTGACAAAGGTGT 1068
 Qy 213 -----ThrProLeuAsnTrpIleGlyGluLeu----- 220
 Db 1069 TTTCGGCAACTGTGGATGGAACTGGATGGAACTGAAATCAAACATA 1128
 Qy 221 AspSerSerLeuLeuPheserSerGluAlaIleGlyGluGluSerGluGly 240
 Db 1129 AAACCGGATACAATGATGCCAGAGCTTCCITCAAGAACGCTGAAATGAAAAATTAA 1168
 Qy 241 LeuArgGluSerLeu---SerPheTyrlIleSerLeuLeuAspGluAlaVal 256
 Db 1189 AGCATGATAAAACTGTGTCACATATGCTGTTGTTGCTGAGAACCAATT 1239
 RESULT 8
 PCR US93-06251-83
 Sequence 83 Application PC/TU9306251
 GENERAL INFORMATION:
 APPLICANT: Wicksstrom, Eric and Rife, Jason P.
 TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
 TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
 NUMBER OF SEQUENCES: 93
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
 STREET: 400 Garden City Plaza
 CITY: Garden City
 STATE: NY
 ZIP: 11530
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 Page 146

SOFTWARE: PatentIn Release #1.0, Version #1.1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/06251
 FILING DATE: 19930630
 ATTORNEY/AGENT INFORMATION:
 NAME: DiGiilio, Frank S.
 REGISTRATION NUMBER: 31,346
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 516-742-4343
 TELEX: 516-742-4366
 TELEFAX: 230 901 SANS UR
 INFORMATION FOR SEQ ID NO: 83:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4517 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 PCT-US93-06251-83
 Alignment Scores:
 Pred. No.: 2.01e-23 Length: 4117
 Score: 315.50 Matches: 92
 Percent Similarity: 43.22% Conservative: 45
 Best Local Similarity: 29.32% Mismatches: 113
 Query Match: 23.32% Indels: 67
 DB: 5 Gaps: 9
 US-09-939-853A-75 (1-261) x PCT-US93-06251-83 (1-4517)
 Qy 2 GlySerLeuProSerArgGlySerLeuProSerLeuSerSerVal---- 20
 Db 304 GGAGGAAACCACCTACAGTGTCAACGTCCTGCATCTTCACCAAAAGGAAACAGCAGTT 363
 Qy 21 -----GlyGlyGlnGlyProValIthrMetGluAla 30
 Db 364 ATTTCAGCAGTCCTCCATTGACACCATTTGGGATTCCTCAGGGPAACGCTTRGGA 423
 Qy 31 GluArgSerIysAlaIthrAlaLeuGlySerProAlaGly----- 46
 Db 424 GGTGCATTCCTCCATTGTCAGTCAGTGGCCAAGTCAATCCGCTGTTAAAGGTGGT 483
 Qy 47 -----GlyProAlaGluLeuSerLeu 53
 Db 484 GTTACTATATTGTCGCCCTATATGATTGAACTGAGACTACAGAACTGAGATGGTTCTATT 543
 Qy 54 ArgLeuGlyIysProLeuThrIleLeuValSerGlu---AspGlyIysProTrpThrValLeu 72
 Db 544 AAGAGGGGAAAGATTCAAAATATAACATGGAAAGGAGATTGTTGGAAAGCAAGA 603
 Qy 73 SerGluIvalSerGlyArgGluIlysAsnLeuSerValHisValGlyVal---- 90
 Db 604 TCTATGCTACAGGAAAGATGGTTATCCGCAATTATGTCGCCCTGAGATTC 663
 Qy 91 -----SerHisGlyTrpLeuIysLeuSerArgGluIlysLeuIysLeu 108
 Db 664 ATTCAAGCAGAGAACTACAAATTAGGAAAGATGTTGAAAGATTTACTT 723
 Qy 109 LeuIleLeuProGlyIysAlaIleLeuIysLeuSerGlnThrArgGly 128
 Db 724 TTGAATTCCTGAAATCACACGGGATTTCTGAGAGATGTTGAAACTAAAGT 783
 Qy 129 SerIysSerLeuSerValArgLeuSerArgProAlaSerTidAspArgLeuArg---- 146
 Db 784 GCTTATTCCCTTCATTATTCCT 828
 Qy 147 -----HistylArgLysIleHisCysLeuAspAsnGlyTrpLeuIleSerProArg 163
 Db 829 AATGTGAAACACTACAAATTAGGAAAGATGTTGAAAGATTTACTT 888
 Qy 164 LeuThrPheProSerLeuGlnAlaLeuValAspIlysIysSerGluLeuAlaAspIlys 183

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/228,603A
 FILING DATE: 12-JAN-1999
 CLASSIFICATION: 435
 NAME: Jackson Esq., David A.
 ATTORNEY/AGENT INFORMATION:
 REGISTRATION NUMBER: 600-1-217 N
 TELEPHONE: 201-487-5800
 TELEX: 133521
 TELECOMMUNICATION INFORMATION:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1491 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 FEATURE:
 LOCATION: CDS
 LOCATION: 1..1491
 US-09-228-603A-1

Alignment Scores:
 Pred. No.: 6.12e-24 Length: 1491
 Score: 313.50 Matches: 78
 Percent Similarity: 52.34% Conservative: 34
 Best Local Similarity: 36.45% Mismatches: 75
 Query Match: 23.17% Indels: 27
 DB: 3 Gaps: 6

US-09-939-853A-75 (1-261) × US-09-228-603A-1 (1-1491)

Qy 1 MetGlySerLeuProSerArg-----ArgLySerieuProSerProSer 15
 Db 1 ATGGCTGATCAAGTCAAAGGATTCAATAACGACTGCAGAAAGTCGGACCTCGGAA 60

Qy 16 LeuUserSerValGlnGlyPro-----ValThrMet---GluAlaGlu 31
 Db 61 AGATCCAAACCCATTATGAGAACCCAGAGGAAGGCAAGAACCTGAAACCTGAA 120

Qy 32 ArgSer-----LysAlaThrAlaValAlaLeuGly 41
 Db 121 AGATCATCTAACGCCAGAGGAAGGCAAGAACCTGCTGCCTGTGAT 180

Qy 42 SerPheProAlaGlyDProAlaGluUserLeuGlyGluProLeuThrIle 61
 Db 181 GACTATGATGGATCCACCTGGGATCTGACTTTAGAAAGGGACCACTCCTGGCTA 240

Qy 62 ValSerGluAspGlyAspPhePhePheValLeuSerGluValUserGlyArgGluTyrAsn 81
 Db 241 AGAAGATCGGGGAGGGTGGGGAGGACATGCTTAATTCGTTGAGGGCTTT 300

Qy 82 IleProGluSerGlnThrArgGlySerTyroSerLeuSerValArgLeuSer 137
 Db 301 GTTCCAGTAATGTAATGAACTTCCCTGGAAATCTGAAGTGTTACTTTAA 360

Qy 98 GlyLeuSerArgGluLysAlaGluGluLeuLeuProGlyAsnProGlyAla 117
 Db 361 GGCTGAGGGAGGGAGCTGAAGGGAGCTGCTTAATAAGTGGGGT 420

Qy 118 PhenylLeuArgGluUserGlnThrArgGlySerTyroSerLeuSerValArgLeuSer 137
 Db 421 TTCTAGTATGGAGAGATGAAATGAAATGGTTGTTCTCCCTCTGTGGA----- 474

Db 529 TTCTTCATTCTACAGGATCCCTTTCCTTCCTGGAGAGCTGGTACGCCATTATCAA 588
 Qy 178 GluLeuIaAspAspIleCysLeuLeuLeuGluProCys 191
 Db 589 GGTAAAGTGAGTGGCTGAGTGTGCTGCTGCTTACATACATGC 630

RESULT 11
 US-09-023-655-1080
 Sequence 1080, Application US/09023655
 Patent No. 6607819

GENERAL INFORMATION:
 APPLICANT: Cocks, Benjamin G.
 APPLICANT: Susan G. Stuart
 APPLICANT: Jeffrey J. Seilhamer
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
 TYPE:
 NUMBER OF SEQUENCES: 1508
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 STREET: 3174 PORTER DRIVE
 CITY: PALO ALTO
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/023,655
 FILING DATE: 09/02/2003
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Zeller, Karen J.
 REGISTRATION NUMBER: 37,071
 REFERENCE/DOCKET NUMBER: PA-0001 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 855-0555
 TELEFAX: (650) 845-4166
 INFORMATION FOR SEQ ID NO: 1080:
 SOURCE CHARACTERISTICS:
 LENGTH: 2354 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLONE: 9132573
 US-09-023-655-1080

Alignment Scores:
 Pred. No.: 1.58e-23 Length: 2354
 Score: 312.50 Matches: 75
 Percent Similarity: 52.38% Conservative: 35
 Best Local Similarity: 35.71% Mismatches: 81
 Query Match: 23.10% Indels: 19
 DB: 4 Gaps: 4

Qy 5 ProSerArgGlySerSerLeuProSerProSerLeuSer----- 18
 Db 253 CCTGACCCCCACTAAGGCCGGCTGCTCATTCCTGCAACTACAGAAC 312
 Qy 19 ---SerValGlyGlyGlyProValThrMetGluAlaGluArgSSLysAlaThala 37
 Db 313 TTCTTCCTCTAGGCCCCATCAACCTGGACCACATCAGTGGCTCTGATGTC 372

TELEFAX: (203) 254 1101
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1602 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: Double
 TOPOLOGY: Linear
 MOLECULE TYPE: cDNA to mRNA
 HYPOTHETICAL: No
 ANTI-SENSE: No
 ORIGINAL SOURCE:
 ORGANISM: Gallus, gallus
 PUBLICATION INFORMATION:
 AUTHORS: Takeya, Tatsuo
 TITLE: Structure and Sequence of the Cellular Gene Homologous to the RSV src Gene and the Mechanism for Generating the Transforming Virus
 JOURNAL: Cell
 PAGES: 32
 DATE: March, 1983
 PCT-US93-0045-1

Alignment Scores:
 Prod. No.: 4.75e-21 Length: 1602
 Score: 287.00 Matches: 81
 Percent Similarity: 51.28% Conservative: 39
 Best Local Similarity: 34.62% Mismatches: 84
 Title: Gene and the Mechanism for Generating the Transforming Virus
 Query Match: 21.21% Insects: 32
 DB: 5 Gaps: 5

US-09-939-853a-75 (1-251) x PCT-US93-00446-1 (1-1602)

Qy 5 ProSerArgArgLysSerLeuProSerLeuSerSerValGlnGlyGlnGly 24
 Db 206 CCGTTACGTGCCGCCGGCGTGCCTGCACCC-----252

Qy 25 ProValThrMetGluAlaGluArgSerGlySerPhePro 44
 Db 253 -----ACTTGTCGCTCTACGACTAGAG 279

Qy 45 AlaGlyGlyProAlaGluIleSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64
 Db 280 TCCCCGAACTGAAAGGACTTGTCTTCAGAAGGGAGACGCTGAGATGTCACAAC 339

Qy 65 ---AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGluIty-AsnIlePro 83
 Db 340 ACGGAAGGGAGCTGGCTCATCCCTACTAACAGAAAGACGGGTACATCCC 399

Qy 84 SerValHisValGlyLys-----ValSerHisGlyTyrTripleUtyGluGlyLeu 99
 Db 400 AGTAACTATGTCGCCCTCAAGACTCCAGCTGAGAGGTTGATTTGGAAAGATC 459

Qy 100 SerArgGlyLysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeu 119
 Db 460 ACTGTCGGAGTCGGCTGCGCCTCTCTCTCAACCCGAAAACCCGGAAACCTCTTG 519

Qy 120 IleArgGluSerGlnThrArgArgLysSerTy-SerLeuSerValArgLeuSerArgPro 139
 Db 520 GTCGGGGAGGGAGACGAAAGGTGCTATGCCCTCGTTGACTTTGAGAAC 579

Qy 140 AlaSerTrpAspSerIleArgHistYArgLeuIleHisCysLeuIaspAspGlyTyrLeuIty 159
 Db 580 GCGAAGGGGTCAATGTAAGCATGGCACTGCAAGCTGACGGGGCTTCTAC 639

Qy 160 IleSerProArgLeuThrPheProSerLeuGlnAlaLeuValAspHisItySerGluLeu 179
 Db 640 ATCACCTACGGCACAGTCAGCTGAGCTGGCTCATCTACITCAAACAT 699

Qy 180 AlaAspAspIleCysLeuLeuLysGluProCys-----191

RESULT 15
 US-07-820-011A-3
 Sequence 3, Application US/07820011A
 ; Patent No. 5336615
 ; GENERAL INFORMATION:
 ; APPLICANT: Bell, Leonard
 ; APPLICANT: Madri, Joseph A.
 ; APPLICANT: Warren, Stephen L.
 ; APPLICANT: Luthringer, Daniel J.
 ; TITLE OF INVENTION: Genetically Engineered
 ; Endothelial Cells Exhibiting Enhanced
 ; Migratation
 ; TITLE OF INVENTION: Plasminogen Activator Activity
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Maurice M. Klee
 ; STREET: 1991 Burr Street
 ; STATE: Connecticut
 ; CITY: Fairfield
 ; ZIP: 06430
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 5.25 inch, 360 kb storage
 ; COMPUTER: IBM PC XT
 ; OPERATING SYSTEM: PC-DOS/MS-DOS 2.10
 ; SOFTWARE: Displaywrite 3
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/820, 011A
 ; FILING DATE: 1992/01/06
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Klee, Maurice M.
 ; REGISTRATION NUMBER: 30,399
 ; REFILE/DOCKET NUMBER: LB-101
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (203) 254 1400
 ; TELEFAX: (203) 254 1401
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1611
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: Double
 ; TOPOLOGY: Linear
 ; MOLECULE TYPE: cDNA to mRNA
 ; HYPOTHECTICAL: No
 ; ANTI-SENSE: No
 ; ORIGINAL SOURCE: Homo sapien
 ; POSITION IN GENOME:
 ; CHROMOSOME/SEGMENT: Chromosome 20
 ; PUBLICATION INFORMATION:
 ; AUTHORS: Anderson, Stephen K.
 ; AUTHORS: Gibbs, Carol P.
 ; AUTHORS: Tanaka, Akio
 ; AUTHORS: Kung, Hsing-Jien
 ; AUTHORS: Fujita, Donald J.
 ; TITLE: Human Cellular src Gene;
 ; TITLE: Nucleotide Sequence and Derived Amino
 ; TITLE: Acid Sequence of the Region Coding for
 ; TITLE: the Carboxy-Terminal Two-Thirds of
 ; TITLE: pp60src
 ; JOURNAL: Molecular and Cellular Biology
 ; VOLUME: 5

ISSUE: 5
 PAGES: 1122-1129
 DATE: May, 1985
 PUBLICATION INFORMATION:
 AUTHORS: Tanaka, Akio
 AUTHORS: Gibbs, Carol P.
 AUTHORS: Arthur, Richard R.
 AUTHORS: Anderson, Stephen K.
 AUTHORS: Kung, Hsing-Jien
 AUTHORS: Fujita, Donald J.
 TITLE: DNA Sequence Encoding the Amino-Terminal Region of the Human c-sar Protein: Implications of Sequence Divergence among sar-Type Kinase Oncogenes
 JOURNAL: Molecular and Cellular Biology
 VOLUME: 5
 ISSUE: 5
 PAGES: 1128-1129
 DATE: May, 1987
 US-07-820-011A-3

Alignment Scores:
 Pred. No.: 6.41e-20 Length: 1611
 Score: 276.50 Matches: 87
 Percent Similarity: 46.15% Conservative: 45
 Best Local Similarity: 30.12% Mismatches: 117
 Query Match: 20.44% Indels: 38
 DB: 1

US-09-939-853A-75 (1-261) x US-07-820-011A-3 (1-1611)

Qy 8 ArgLysSerLeuProSerProSerLeuSerSerValGlnGlyGlnGlyProValThr 27	Db 155 CGGCCTTCGCCCGCCGGCGAGCCAAAGCTGGTGGCTGGACACTCCTCGACA 214
Qy 28 MetGluAlaGluArgSerIysAla-----ThrAlaValAla 39	Db 215 CGTCACCTCCCCAG-AGGGGGCCGCTGGCGCTGGGTGGTGGCTGGGCC 273
Qy 40 LysGlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeu 59	Db 274 CTCTATGACTATGATGCTTAAGGACGGAGAACGCTGRCCTCAAGAAAAGCGAGGCTC 333
Qy 60 ThrIleValSerGlu--AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArg 78	Db 334 CAGATTGTCACACAGGGAGACTGGGcctGaccactGCTCAGACAGACAG 393
Qy 79 GlutYrAsnIleProSerValHisValGlyLys-----ValSerHisGlyTrp 94	Db 394 ACAGGCTACATCCCGAACAATGTCGGCCCTCCGACTCCATCAGGTGAGGAATGG 453
Qy 95 LeuTygGlyLeuSerArgGluLysAlaGluGluLeuLeuLeuProGlyAsnPro 114	Db 454 TATTTTGCAAGTCAAGGACGGAGTCAGGGTTACGCTCATGAGAGAACCCG 513
Qy 115 GlyLysAlaPheIleArgGluSerIysThrArgSerIysSerIysLeuSerVal 134	Db 514 AGGGGACCTTCCTGCGCAGAAAGTGAGCACACGCTGACTGCTCTCAGTG 573
Qy 135 ArgLeuSerArgProAlaSerItpAspArgIleArgHistYrArgIleHisCysLeuAsp 154	Db 574 TCGACTGTCGACAGCAGCAAGGCCCTAACGTAAGACTAACGCTGACTGCTCAGTG 633
Qy 155 AsnGlyTrpLeuTyrlleSerProArgLeuThrPheProSerLeuInAlaLeuValAsp 174	Db 634 AGGGGGCTTCACATCCCGACCCAGTCACAGCTGAGCCTGCTGGCC 693
Qy 175 HisTygSerGluLeuAlaAspAspIleCysCysLeuLeuLeuGluProCys----- 191	Db 694 TACTACTCAAACAGCGGATGCCCTGCAACCCGCTCACACCCACGTCC 753
Qy 192 -----ValLeuGlnArgAlaGlyProLeuProGlyLysAspIlePro 205	

Search completed: July 25, 2004, 03:59:03
Job time : 89 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: July 25, 2004, 03:47:27 ; Search time 486 Seconds

(without alignments)

2625.198 Million cell updates/sec

Title: US-09-939-853A-75

Perfect score: 1353

Sequence: 1 MGSIPLSRKSLPSLSSSV.....RESLSFYISLNDEAVSLLDDA 261

Scoring table: BLOSUM62

Xgapext 10.0 , Xgapext 0.5

Ygapext 0.5 , Ygapext 0.5

Fgapext 7.0 , Fgapext 7.0

Dlext 7.0 , Dlext 7.0

Searched:

3216467 segs, 2444149694 residues

Total number of hits satisfying chosen parameters:

6432934

Post-processing:

Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Number of hits satisfying chosen parameters:

6432934

Post-processing:

Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

Command line parameters:

-MODEL-frame+p2n,model -DEV=x1h

-QFMFT=1 -UPTO_SPEC /US0939833/runat_20072004_103721_12196/app_query.fasta_1.455

-DB=Public Shared Applications NA -QFMFT=fastApp -SUFFIX=rnpb -MINMATCH=0.1

-LOOPCUT=0 -LOCPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=dBsum62

-TRANS=human40.cgi -LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100

-THR MIN=0 -ALIGN=15 -MODE=DALIGN -OUTFILE=dtc -NORMext -HEAPSIZE=500 -MINLEN=0

-MAXLEN=200000000 -USER=US0939853@CCN11_221@runat_20072004_103721_12196

-NCPU=6 -NIN=3 -NO_NMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSBLOCK=100

-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOF=10 -XGAPEXT=0.5

-FGAPOF=6 -FGAPEXT=7 -YGAPOF=10 -YGAPEXT=0.5 -DEL0P=6 -DELETELT=7

Database :

Published_Applications NA.*

1: /cgn2_6/ptodata/1/pubnra/US07_PUBCOMB.seq;*

2: /cgn2_6/ptodata/1/pubnra/US06_NEW_PUB.seq;*

3: /cgn2_6/ptodata/1/pubnra/US06_PUBCOMB.seq;*

4: /cgn2_6/ptodata/1/pubnra/US07_PUBCOMB.seq;*

5: /cgn2_6/ptodata/1/pubnra/US07_NEW_PUB.seq;*

6: /cgn2_6/ptodata/1/pubnra/US08_PUBCOMB.seq;*

7: /cgn2_6/ptodata/1/pubnra/US08_PUBCOMB.seq;*

8: /cgn2_6/ptodata/1/pubnra/US09_PUBCOMB.seq;*

9: /cgn2_6/ptodata/1/pubnra/US09A_PUBCOMB.seq;*

10: /cgn2_6/ptodata/1/pubnra/US09B_PUBCOMB.seq;*

11: /cgn2_6/ptodata/1/pubnra/US09C_PUBCOMB.seq;*

12: /cgn2_6/ptodata/1/pubnra/US09_NEW_PUB.seq;*

13: /cgn2_6/ptodata/1/pubnra/US09_NEW_PUB.seq;*

14: /cgn2_6/ptodata/1/pubnra/US10A_PUBCOMB.seq;*

15: /cgn2_6/ptodata/1/pubnra/US10B_PUBCOMB.seq;*

16: /cgn2_6/ptodata/1/pubnra/US10C_PUBCOMB.seq;*

17: /cgn2_6/ptodata/1/pubnra/US10_NEW_PUB.seq;*

18: /cgn2_6/ptodata/1/pubnra/US60_NEW_PUB.seq;*

19: /cgn2_6/ptodata/1/pubnra/US60_PUBCOMB.seq;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID
1	1353	100.0	1183 13 US-09-939-853A-74

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c	3	1347	99.6	786 15 US-10-043-649-1
	4	1206.5	89.2	1413 17 US-10-115-635-120
	5	826	61.0	763 9 US-09-867-550-953
	6	643	47.5	864 10 US-09-814-3532-21302
	7	586	43.3	875 9 US-09-867-550-1915
	8	488	36.1	3756 14 US-10-002-600-199
	9	487	36.0	2665 9 US-09-954-456-499
	10	487	36.0	2665 13 US-10-342-887-1312
	11	487	36.0	2665 13 US-10-112-110-1312
	12	452.5	33.4	444 9 US-09-867-550-951
	13	370.5	27.4	2298 13 US-10-342-887-762
	14	370.5	27.4	2298 13 US-10-118-762
	15	370.5	27.4	2298 13 US-10-523-50
	16	370.5	27.4	2298 16 US-10-643-153-343
	17	370.5	27.4	2298 17 US-10-641-643-1158
	18	360.5	26.6	1924 16 US-10-193-20-1
	19	360.5	26.6	2015 9 US-09-954-456-1983
	20	360.5	26.6	2015 13 US-10-342-887-226
	21	360.5	26.6	2015 13 US-10-172-118-226
	22	360.5	26.6	2015 15 US-10-007-010-3
	23	360.5	26.6	2015 17 US-10-641-643-1105
	24	360.5	26.6	2341 15 US-10-252-157-140
	25	360.5	26.6	2343 16 US-10-064-674-2038
	26	358.5	26.5	1911 9 US-09-917-800-A161
	27	350	25.9	3220 10 US-09-814-353-17314
	28	348	25.7	1530 12 US-09-997-722-234
	29	348	25.7	2032 16 US-10-365-288-27
	30	348	25.7	2032 17 US-10-315-154-4
	31	348	25.7	2017 16 US-10-062-674-1776
	32	340	25.1	2034 13 US-09-805-020-3
	33	340	25.1	2129 10 US-09-960-706-54
	34	340	25.1	2129 16 US-10-305-720-1452
	35	340	25.1	2129 17 US-10-316-515-75
	36	340	25.1	1530 12 US-09-997-722-231
	37	338.5	25.0	3200 12 US-09-997-722-230
	38	338.5	25.0	2100 12 US-09-997-722-230
	39	337	24.9	2282 13 US-10-280-576-18
	40	322	24.5	1554 13 US-10-240-965-114
	41	324	23.9	2433 15 US-10-641-771-161A-4
	42	323	23.9	2435 17 US-09-771-161A-4
	43	322.5	23.8	2451 9 US-09-771-161A-30
	44	320	23.7	1609 9 US-09-771-161A-30
	45	320	23.7	1614 12 US-10-052-482-126

ALIGNMENTS

RESULT 1
 US-09-939-853A-74
 Sequence 74, Application US/09939853A1
 /GENERAL INFORMATION:
 /APPLICANT: Burgess et al.
 /TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
 /FILE REFERENCE: 21402-099
 /CURRENT APPLICATION NUMBER: 2001-08-27
 /PRIOR APPLICATION NUMBER: 60/228,191
 /PRIOR FILING DATE: 2000-08-25
 /PRIOR APPLICATION NUMBER: 60/267,300
 /PRIOR FILING DATE: 2001-02-08
 /PRIOR APPLICATION NUMBER: 60/269,961
 /PRIOR FILING DATE: 2001-02-20
 /PRIOR APPLICATION NUMBER: 60/277,337
 /PRIOR FILING DATE: 2001-03-20
 /NUMBER OF SEQ ID NOS: 159
 /SOFTWARE: PatentIn Ver. 2.1
 /SEQ ID NO: 74
 /LENGTH: 1183
 /TYPE: DNA

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID
1	1353	100.0	1183 13 US-09-939-853A-74

Db 186 GGCAGGATACCCCTACCTGTGACTTGAGGAACCACTCAGAAAGGCTG 127
 Cy 221 AspSerSerLeuPheSerGluAlaAlaLthrGlyGluGluSerLeuLeuSerGluGly 240
 Db 126 GACGCTCCCTCCGTGTTCTGAGTCGCCAGGGAGTCCTCATGAGGGT 67
 Qy 241 LeuArgGluSerLeuSerPheThrIleSerLeuAsnAspGluAlaValSerLeuAspAsp 260
 Db 66 CTCGGAGTCCTCCAGGCTCTAACGGCTTAATGCCGAACTGCAAGCTGGAT 7
 Qy 261 Ala 261
 Db 6 GCC 4
 RESULT 3
 US-10-043-649-1
 ; Sequence 1, Application US/10043649
 ; Publication No. US2003005924A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Holland, Sacha J.
 ; Mendenhall, Marcy K.
 ; APPLICANT: Pardo, Jorge
 ; Spencer, Collin
 ; APPLICANT: Fu, C.
 ; Alan
 ; APPLICANT: Luo, Ying
 ; APPLICANT: Payan, Donald G.
 ; APPLICANT: Mancebo, Helena S.Y.
 ; APPLICANT: Wu, Jun
 ; APPLICANT: Zhou, Xiulan
 ; Shen, Mary
 ; APPLICANT: Liao, X.
 ; Charlene
 ; APPLICANT: Shang, Ning
 ; TITLE OF INVENTION: Cloning of a No. US20030059924A1 Inhibitor of Antigen-receptor
 ; TITLE OF INVENTION: Retroviral-based Functional Screen
 ; FILE REFERENCE: A-70219-1/RMS/DHR
 ; CURRENT APPLICATION NUMBER: US/10/043, 649
 ; PRIORITY APPLICATION NUMBER: US 60/260, 953
 ; PRIORITY FILING DATE: 2002-01-10
 ; NUMBER OF SEQ ID NOS: 3
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 1
 ; LENGTH: 786
 ; TYPE: DNA
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(786)
 ; OTHER INFORMATION:
 US-10-043-649-1

Alignment Scores:
 Pred. No.: 1.87e-147 Length: 786
 Score: 1347.00 Matches: 260
 Percent Similarity: 99.62% Conservative: 0
 Best Local Similarity: 99.62% Mismatches: 1
 Query Match.: 99.56% Models: 0
 DB: 15 Gaps: 0

US-09-939-853A-75 (1-261) x US-10-043-649-1 (1-786)

Qy 1 MetGlySerLeuProSerArgGlySerLeuProSerProSerLeuSerSerVal 20
 1 ATGGGAAGTGTGCCAGCGAGAAATTCTGCAACCCAAAGCTTAGTTCTCTGTC 60
 Qy 21 GlnGlyGlnGlyProValLhrMetGluAlaGluArgSerLysAlaValAlaLeu 40
 1 CAAGGCCAGGACTGTGACCATGCAAGAGAAACGCCCCAGCCCTGGCCCTG 120
 Qy 41 GlySerPheProAlaGlyPheProAlaGluSerLeuSerLeuArgLeuGlyGluProLeuThr 60
 Db 121 GGCACTTCCGGCAAGGTCAGCCAGCTGCTGAGACTCGGGAGCCATTGAC 180

Qy 61 IleValSerGluAspDGLyAspPTPTrpThrValLeuSerGluValSerGlyArgGluTyr 80
 Db 181 ATCGTCTCTGAGGATGGAGCTGCTGAAAGTCAGTCAGGAGAT 240
 Qy 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrpLeuTyrGluGlyLeuSer 100
 Db 241 AACATCCCGCCGTCACCTGGCCAAAGTCCTCCATGGGGCTGTTATGAGGCTGAC 300
 Qy 101 ArgGluLysAlaGluGluLeuLeuLeuProGlyLysAsnProGlyGlyAlaPheLeuLe 120
 Db 301 AGGGAGAAGGAGGAAACTGCTGTTACCTGGAAACCTGGCTTCTTCATC 360
 Qy 121 ArgGluSerGlnThrArgArgGlySerItySerIleSerValArgLeuSerArgProAla 140
 Db 361 CGGAGAGCCAGACAGGAGGGCTTACTCTGTCAGTCGGCTCACGGCTGCA 420
 Qy 141 SerTPAspArgIIleArgHistYArgGlyTrpLeuTyrIle 160
 Db 421 TCCTGGGACCGATAGACAAGTCAACRCCGTCAGATGGCGCTGATCACAT 480
 Qy 161 SerProArgLeuThrPheProSerIleGlnAlaLeuValAspHisTyrSerGluLeuAla 180
 Db 481 TCACCCGGCTCACCTCCCTCACTCCAGGCCGGTGGACCATTAATCTGACTGGGG 540
 Qy 181 AspAspIleCysCysLeuLeuLysIleuProCysValLeuGlnA91AlaGlyProlLeuPro 200
 Db 541 GATGACATCCTGCTGCTACTCAAGAGCCCTGTCAGAGGGCTGCCCTCCCT 600
 Qy 201 GlyLysAspIleProLeuProValThrValGlnIleArgThrProLeuAsnTPYLysGluLeu 220
 Db 601 GGCAGGATATACCCTACTGTGACTGCTGAGCTGAGGAGACCACTAACCTGAAAGGCTG 660
 Qy 221 AspSerSerLeuLeuPheSerGluAlaAlaThrGlyGluGluSerIleuSerGluGly 240
 Db 661 GAGAGTCCCCTCTGTTTCGAACCTGCACGGGGAGCTCTCTCAGTAGGT 720
 Qy 241 LeuArgGluSerLeuSerPheThrIleSerLeuAsnAspGluAlaValSerLeuAspAsp 260
 Db 721 CTCCGGAGTCCCTAGCTTCACTACGCTGATGAGCAGGGTGTCTTCTGATGAT 780
 RESULT 4
 US-10-115-635-120
 ; Sequence 120, Application US/10115635
 ; Publication No. US2003013743A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tang, Y. Tom
 ; APPLICANT: Zhou, Ping
 ; APPLICANT: Goodrich, Ryle
 ; APPLICANT: Xue, Aidong J.
 ; APPLICANT: Yang, Yonghong
 ; APPLICANT: Wehrman, Tom
 ; APPLICANT: Dramatic, Radovic T.
 ; APPLICANT: Liu, Chenghua
 ; APPLICANT: Asundi, Vinod
 ; APPLICANT: Ren, Feiyun
 ; APPLICANT: Zhang, Jie
 ; APPLICANT: Zhao, Qing A.
 ; APPLICANT: Zhou, Ping
 ; APPLICANT: Goodrich, Ryle
 ; APPLICANT: Liu, Chenghua
 ; APPLICANT: Asundi, Vinod
 ; APPLICANT: Ren, Feiyun
 ; APPLICANT: Zhang, Jie
 ; APPLICANT: Zhao, Qing A.
 ; APPLICANT: Xue, Aidong J.
 ; APPLICANT: Yang, Yonghong
 ; APPLICANT: Wehrman, Tom
 ; APPLICANT: Dramatic, Radovic T.
 ; TITLE OF INVENTION: Novel Nucleic Acids and
 ; FILE REFERENCE: 797CON
 ; CURRENT FILING DATE: 2002-04-03
 ; PRIOR APPLICATION NUMBER: 09/714, 936
 ; PRIOR FILING DATE: 2000-11-17
 ; NUMBER OF SEQ ID NOS: 362
 ; SOFTWARE: PC_Fl_Genes Version 2.0
 ; SEQ ID NO: 120
 ; LENGTH: 1413

RESULT 5
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (54 .. (686)
; US-10-115-635-120
Alignment Scores:
Pred. No.: 1. 08e-130 Length: 1413
Score: 1206.50 Matches: 240
Percent Similarity: 91.60% Conservative: 0
Best Local Similarity: 91.60% Mismatches: 4
Query Match: 89.17% Indels: 18
DB: 17 Gaps: 1
US-09-939-853A-75 (1-261) x US-10-115-635-120 (1-1413)
Qy 1 MetGlySerLeuProSerSerArgGlySerLeuProSerProSerLeuSerSerSerVal 20
Db 54 ATGGAGGTCTGCCAGGAGAAATCTCTGCAGGCCAAAGCTGAGTTCCTCTGTC 113
Qy 21 GlnglyGlnGlyProvalThrMetGluAlaGluArgSerIysAlaThrAlaValAlaLeu 40
Db 114 CAAGCCACGGACCTGTACCACTGAGCAGGAGCAAGGCCAACGGCTGGCCCTG 173
Qy 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
Db 174 GGAGATTTCCGGCAGGGGGAGCTGGAGACTCGGGGCCATTGACC 233
Qy 61 IleValSerGluAspGlyAspIPTPThrValLeuSerGluIvaSerGlyArgGluTYr 80
Db 234 ATGTCCTCTGAGATGGAGACTGGACGGTCTGTGAGTCTAGGGCAGAGAT 293
Qy 81 AsnIleProSerValHisvalGlyIysValSerHisClyTrPLeuTrGluGlyLeuSer 100
Db 294 AACATCCCAGCTCCAGTCAGTGCCAAAGTCRCCCATGGGGCTGGCTGAGC 353
Qy 101 ArgGluIlysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIle 120
Db 354 AGCGAGAAAAGCAGAGGAACTGCTGTTTACCTCGGAACCCCTGGGGCCCTCTCATC 413
Qy 121 ArgGluSerGlnThrArgArgGlySerTYrSerIleSerValArgLeuSerArgProAla 140
Db 414 CGGGAGCCAGCCAGGAGGGCTCTACTCTCTGCACTGGCTCACTGGCTGTACATC 533
Qy 141 SerItpAspArgLeuThrProSerLeuGlnAlaLeuValAspHistYrSerGluLeuAla 160
Db 474 TCTGGGACCGGATCACACTACAGGATCCACTGGCCCTGGGACCAT 533
Qy 161 SerProArgLeuThrProSerLeuGlnAlaLeuValAspHistYrSerGluLeuAla 180
Db 534 TCACTGGCCCTCACCTCCACTGGCCCTGGGACCAT 581
Qy 181 AspAspIleCysCysLeuLeuLysGluProCysValLeuGln-ArgAlaGlyProLeuPr 200
Db 582 -----TCTGAGCCGCTGCCCTCTCCC 602
Qy 200 oGlyLysAspIleProLeuProValThrValGlnArgThrProLeuSerTrpLysgluLe 220
Db 603 TGGCAAGGATAACCCCTACCTGTGACTGTGAGGACACCACTCACTGGAAAGAGCT 662
Qy 220 wAspSerSerLeuLeuPheSerGluIalaAlaThrGlyGluGluSerIleuSerIgluG 240
Db 663 GGAGCAGCTCCCTCTGTTCTGAGTTCTGAAGTGGCAAGGGAGAGTCTCTCACTGGGG 722
Qy 240 yLeuArgGluSerIleuSerPhetyrileSerIleuAsnAspGluAlaValSerLeuAsp 260
Db 723 TCTGGGACCGGATCACAGCACTACAGGATCTGCTTCTGATGA 782
RESULT 6
US-09-867-550-953
; Sequence 953, Application US/09867550
; Patent No. US20080220641
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Meirabani, Fuad,
; APPLICANT: Conley, Pamela A.
; APPLICANT: Topper, James
; APPLICANT: Law, Debbie
; TITLE OF INVENTION: Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09-867-550
; CURRENT FILING DATE: 2001-09-20
; PRIORITY NUMBER: USNN 60/208,427
; PRIORITY FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 953
; LENGTH: 763
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-867-550-953
Alignment Scores:
Pred. No.: 1.26e-86 Length: 763
Score: 826.00 Matches: 158
Percent Similarity: 99.37% Conservative: 0
Best Local Similarity: 99.37% Mismatches: 1
Query Match: 61.05% Indels: 0
DB: 9 Gaps: 0
US-09-939-853A-75 (1-261) x US-09-867-550-953 (1-763)
Qy 1 MetGlySerLeuProSerArgArgGlySerLeuProSerLeuSerSerSerVal 20
Db 286 ATGGAACTCTGCCAGGAGAAATCTCTGCAAGCCAAAGCTGAGTCTCTGTC 345
Qy 21 GlnglyGlnGlyProvalThrMetGluAlaGluIargSerIysAlaThrAlaValAlaLeu 40
Db 346 CAAGCCAGGGACCTGTGACCATGGAAAGCAGAGAAAGCAGAGAAAGCAGAGAAAGCAGGCTG 405
Qy 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThr 60
Db 406 GCGATTTCCGCAAGGGCTGGCCGGCGAGCTGCTGAGTCACTCGGACCCATGACC 465
Qy 61 IleValSerGluAspGlyAspIPTPThrValLeuSerGluIvaSerGlyArgGluTYr 80
Db 466 ATCTCTCTGAGATGGAGACTGGCTGCTGAGTCTGAGTCAGGAGAGTGTAC 525
Qy 81 AsnIleProSerValHisvalGlyIysValSerHisClyTrPLeuTrGluGlyLeuSer 100
Db 526 AACATCCCAGCTCCAGTCAGTGCCTCAAGTCCTCCATGGTCTGAGTACGGCTGAGC 585
Qy 101 ArgGluIlysAlaGluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIle 120
Db 586 AGGGAGACAGCAGGAGAACTGGCTTACCTGGAAACCTGGGGCTTCCTCATC 645
Qy 121 ArgGluSerGlnThrArgArgGlySerTYrSerLeuSerValArgLeuSerArgProAla 140
Db 646 CGGGAGACAGCAGGAGAACTGGCTTACCTGGAAACCTGGGGCTTCCTCATC 705
Qy 141 SerItpAspArgIleLeuPheSerGluIalaAlaThrGlyGluGluSerIleuSerIgluG 240
Db 706 TCTGGGACCGGATCACAGCACTACAGGATCTGCTTCTGACAAATGCTGAC 762
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John

APPLICANT: Thompson, Pamela
 APPLICANT: Lillie, James
 TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND TREATMENT OF OVARIAN CANCER
 FILE REFERENCE: MRI-006B
 CURRENT APPLICATION NUMBER: US/09/814,353
 CURRENT FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: US 60/191,031
 PRIOR FILING DATE: 2000-03-21
 PRIOR APPLICATION NUMBER: US 60/207,124
 PRIOR FILING DATE: 2000-05-25
 PRIOR APPLICATION NUMBER: US 60/211,940
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: US 60/216,820
 PRIOR FILING DATE: 2000-07-07
 PRIOR APPLICATION NUMBER: US 60/220,661
 PRIOR FILING DATE: 2000-07-25
 PRIOR APPLICATION NUMBER: US 60/257,672
 PRIOR FILING DATE: 2000-12-21
 NUMBER OF SEQ ID NOS: 22337
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 21302

TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 1, 2-, 3, 32, 862, 863, 864
 OTHER INFORMATION: n = A, T, C or G
 US-09-814-353-21302

Alignment Scores:
 Pred. No.: 3.538-65 Length: 864
 Score: 643.00 Matches: 126
 Percent Similarity: 98.45% Conservative: 1
 Best Local Similarity: 97.6% Mismatches: 2
 Query Match: 47.52% Indels: 0
 DB: 10 Gaps: 0

US-09-939-853a-75 (1-261) × US-09-814-353-21302 (1-864)

QY 1 MetGlySerIeuProSerArgGlySerIeuProSerProSerIeuSerSerVal 20
 Db 450 ATGGAAAGTGTGCCAACGAGAAGAAATCTCTGCCAACCCAAAGCTTGTC 509
 QY 21 GlnglyGlyProValThrMetGluAlaGluArgSerLysAlaThrAlaLeu 40
 Db 510 CAAGGCCAGCACCTGACCATTGAACTGAACAGAAACCAAGGCCACAGGCCCTG 569
 QY 41 GlycerProAlaGlyProAlaGlyLeuSerIleArgGluProLeuThr 60
 Db 570 GGCAAGTTCCGGCAGGTGCCCGGCCAGCTCTGCCGAGACTCGGGAGCCATGCC 629
 QY 61 IleValSerGluArgGlyAspPheTrpThrValIleSerGluIleArgGlyLeu 80
 Db 630 ATCGCTCTCAGGATGCCAGCTGGACGGCTCTGCTGAAGTCTCAAGG 689
 QY 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrpLeuIleSer 100
 Db 690 AACATCCCCAGCGGCCAGTGCACAGTCTCCATGGCTGCTGAGCTGAGGCTGAGC 749
 QY 101 ArgGluLysAlaGluGluIleLeuIleProGlyAlaPheLeuIle 120
 Db 750 AGGGAAAGAGAACGAACTGCTGTTACCTGGAAACCTGAGGGCTCTCCTOARC 809
 QY 121 ArgGluSerGlnThrArgArgGlySer 129
 Db 810 CGGGAGGCCAGACGGAGAGGTC 836

RESULT 7
 US-09-867-550-1915
 Sequence 1915. Application US/09867550

Patent No. US20020082206A1
 GENERAL INFORMATION:
 / APPLICANT: Leach, Martin D.
 / APPLICANT: Mehraban, Foad,
 / APPLICANT: Conley, Pamela
 / APPLICANT: Law, Debbie
 / APPLICANT: Torper, James
 / TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and FILE REFERENCE: 21-02-013 (Cura-313)
 / CURRENT APPLICATION NUMBER: US/09/867-550
 / CURRENT FILING DATE: 2001-09-20
 / PRIOR APPLICATION NUMBER: USNN 60/208,427
 / PRIOR FILING DATE: 2000-05-30
 / NUMBER OF SEQ ID NOS: 2125
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO: 1915
 / LENGTH: 864
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: misc_feature
 / LOCATION: (1)
 / OTHER INFORMATION: Wherein n is one of a or t or c or g
 US-09-867-550-1915

Alignment Scores:
 Pred. No.: 1.63e-58 Length: 875
 Score: 586.00 Matches: 112
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 43.31% Indels: 0
 DB: 9 Gaps: 0

US-09-939-853a-75 (1-261) × US-09-867-550-1915 (1-875)

Qy 150 IleHisCysLeuAspSerGluIleAspAspIleCysCysLeuIleUysGlu 169
 Db 4 ATCCAATGCCCTGACATGGCTGCTACATCTCAGGCCCTCCCTCCCTCAACTC 63
 Qy 170 GluAlaLeuIaAspHsIstsYrSerGluIleAspAspIleCysCysLeuIleUysGlu 189
 Db 64 CAGCCCTGGTGGACCATACTCTGACTGGGGGAGACATGCTGCTCTCTGCTGAGGAG 123
 Qy 190 ProCysValLeuIargAlaGlyProlLeuProGlyLysAspIleProLeuProValThr 209
 Db 124 CCCTGTGTCCTGCAGGGCTGGCCGCTCCCTGGAGGATAACCCCTAACCTGACT 183
 Qy 210 ValGlnArgThrProLeuAsnIleAsnIleAspSerSerLeuLeuPhsSerGluIala 229
 Db 184 GTGAGAGACACACTACTGAAAGAGCTGGCTCCCTCTGTTTCTGAAAGT 243
 Qy 230 AlaThrGlyGluLysSerLeuLeuSerGluGlyLeuArgGluIleSerIeuSerPheTrile 249
 Db 244 GCCACAGGGAGAGTCCTCTGAGGCTCTGGAGCTCTGGAGTCTGGCTCTGAGTCT 303
 Qy 250 SerIeuAsnAspGluAlaValSerLeuAspAspAla 261
 Db 304 AGCTGTAATGACGGAGCTGCTCTGATGATGCC 339
 RESULT 8
 US-10-006-600-91
 Sequence 91. Application US/10002600
 / Publication No. US20020137077A1
 / GENERAL INFORMATION:
 / APPLICANT: Hopkins, Christopher M.
 / APPLICANT: Peterson, David P.
 / APPLICANT: Cocks, Benjamin G.
 / APPLICANT: Hawkins, Phillip R.
 / TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS
 / FILE REFERENCE: PA-0042 US
 / CURRENT APPLICATION NUMBER: US/10/002,600
 / CURRENT FILING DATE: 2001-10-25

PRIOR APPLICATION NUMBER: 60/243, 521
 PRIOR SEQ ID: 2000-10-25
 NUMBER OF SEQ ID NOS: 116
 SOFTWARE: PERL Program
 SEQ ID NO: 91
 LENGTH: 3756

TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: misc_feature
 NAME/KEY: misc_feature
 OTHER INFORMATION: Template ID: 059263.15
 US-10-002-600-91

Alignment Scores:
 Pred. No.: 3.44e-46 Length: 3756
 Score: 488 00 Matches: 101
 Percent Similarity: 57.20% Conservative: 46
 Best Local Similarity: 39.30% Mismatches: 94
 Query Match: 36.07% Indels: 16
 DB: 14 Gaps: 3

US-09-939-853A-75 (1-261) × US-10-002-600-91 (1-3756)

Qy 5 ProSerArgGlySerLeuProSerLeuSerSerValGlnGly 24
 Db 1098 CCAGGGAAAAGAAAGAAAGAAATGGAAACGCTGAAATCACCCTGGCTGCGAGGG 1157
 Qy 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44
 Db 1158 CCCCTGCCAACCCGGAGGGACTGTGACTTGCCTGGCTGCTGAAGTCAACCCG 1217
 Qy 45 AlaGlyGlyProAlaGluLeuUserLeuArgLeuGlyGluProLeuThrIleValSerGlu 64
 Db 1218 ITCCTGACATAGCCCCCGATAATTGCCCAAGGGAAAACTGGCTGCTGATTCCTGAT 1277
 Qy 65 AspGlyAspTrpTrpThrValLeuSerGluValSerGlyAlaGluTyrosinileProSer 84
 Db 1278 GAAGGGCCTGGAAAAGCTTCTTACACTGGTCAAGAGTTACATCCCTGGA 1337
 Qy 85 ValHisValGlyLysValSerHisGlyLysGlyLeuSerArgGlyLysAla 104
 Db 1338 ATATGCTGGCCAGAGTTTACATGGCTGGTGTGTTGAGGGCCTGGCAAGACAGGCC 1397
 Qy 105 GluGluleLeuLeuLeuProGlyAlaPheLeuLeuArgGluSerGln 124
 Db 1398 GAGGAGCTGCTGAGCTGCCAGACAAGGTGCTCTCATGAGAGAGTGAG 1457
 Qy 125 ThrArgArgGlySerTyrSerLeuSerValArgLeuSerArgProAlaSerTrpAspArg 144
 Db 1458 ACCAGAAAGGGTTACTACTGIGGGTAGACAAGG-----CG 1499
 Qy 145 IleArgHistYArgLeuIleHisCysLeuAspAsnGlyIleTyrIleSerProArgLeu 164
 Db 1500 GTAAAGCATTAACCGCATTTCCGTCGCCCCAACAACTGGTACTCATTCGGAGGCC 1559
 Qy 165 ThrPheProSerLeuGlnAlaLeuValAlaPheHistYArgThrProLeuAsnTyrIleSer 184
 Db 1560 ACCCTCCAAGCTGAGACCTGAGCTGTTGAACTATTCTAGGTGGCTGATGGCTGTC 1619
 Qy 185 CysLeuLeuLeuProGlySerValLeuGlnArgAlaGlyProIleProGlyLysAspIle 204
 Db 1620 TGTGCTGCTCACAGGCCCTCTGACACAGAACAGCGTGCCTGAGGGCTTC 1679
 Qy 205 ProLeuProValThrValGlnArgThrProLeuAsnTyrIleSerGlyLeuAspSerSerIle 224
 Db 1680 AGCTCACCTGTCACCTGGCTCAGAGACTGGAGAGTGTCCAGA----- 1733
 Qy 225 LeuPheSerGluAlaAlaLthrGly-----GluGluSerIleLeu 237
 Db 1734 ---CTGAGGAGGAGGCCAGGGAGACAGAAACCGCTGGGTAGACGAGTCCCTTC 1790
 Qy 238 SerGluGlyLeuArgGluUserSerPhyTyrIleSerLeuAsnAspGlu 254
 Qy 240 GluGluLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGln 124

RESULT 9
 US-09-954-456-499
 ; Sequence 499, Application US/0954456
 ; Patent No. US2002010507A1
 ; GENERAL INFORMATION:
 ; APPLICANT: YOUNG, Paul
 ; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cancer
 ; THERAPY: Sets
 ; FILE REFERENCE: 689290-76
 ; CURRENT FILING DATE: US/09/954,456
 ; PRIOR APPLICATION NUMBER: US/60/233,617
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: US/60/234,052
 ; PRIOR FILING DATE: 2000-09-20
 ; PRIOR APPLICATION NUMBER: US/60/234,923
 ; PRIOR FILING DATE: 2000-09-25
 ; PRIOR APPLICATION NUMBER: US/60/235,134
 ; PRIOR FILING DATE: 2000-09-25
 ; PRIOR APPLICATION NUMBER: US/60/235,637
 ; PRIOR FILING DATE: 2000-09-26
 ; PRIOR APPLICATION NUMBER: US/60/235,638
 ; PRIOR FILING DATE: 2000-09-26
 ; PRIOR APPLICATION NUMBER: US/60/235,711
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: US/60/235,720
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: US/60/235,840
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: US/60/235,863
 ; PRIOR FILING DATE: 2000-09-27
 ; NUMBER OF SEQ ID NOS: 2276
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 499
 ; LENGTH: 2665
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-954-456-499

Alignment Scores:
 Pred. No.: 2.79e-46 Length: 2665
 Score: 487.00 Matches: 101
 Percent Similarity: 57.20% Conservative: 46
 Best Local Similarity: 39.30% Mismatches: 94
 Query Match: 35.99% Indels: 16
 DB: 9 Gaps: 3
 US-09-919-853A-75 (1-261) × US-09-954-456-499 (1-2665)
 Qy 5 ProSerArgArgLysSerLeuProSerProSerLeuSerSerValGlnGlyGlnGly 24
 Db 24 CCAGGGAAAAGAGAGAAATGGAAGAAGCTGAACTCACCCTGGCTGCGAGAGG 83
 Qy 25 ProValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerPhePro 44
 Db 84 CCGCTGCCAACCCGGAGGGACTGCTGAGCTTCTGGCTGCTGAAAGTGACTACCCG 143
 Qy 45 AlaGlyGlyProAlaGluLeuSerValArgLeuGlyGluProLeuThrIleValSerGlu 64
 Db 144 TCTCCCTGACATGAGCCCCGATATTGGCCGAGGGAGAAACTGGTGATTTGAT 203
 Qy 65 AspGlyAspTrpTrpThrValLeuSerGluValSerGlyArgGlyLeuAsnLeuSerGly 84
 Db 204 GAAGGGGGCTGCTGGAAAGCTGATTCTCTGACACTGGTCAAGGTTACATCCCTGGA 263
 Qy 85 ValHisValGlyLysValSerHisGlyTrpLeuLeuLeuLeuLeuLeuLeuLeuLeu 104
 Db 264 ATATGCTGGCCAGAGTTACATGGCTGCTGGCTGAGGCTCCAGCAAGGCC 323
 Qy 105 GluGluLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 124

Db 324 GAGGAGCTGCTGAGGCCAGACAAAGCTGGGTCCATCAAGAGTGGTGAG 383
 Qy 125 ThrArgGlySerIyserLeuSerValArgLeuSerArgProAlaSerTIPAsPArg 144
 Db 384 ACCAAGAAAGCTTTACTCACTGCTGGACA-----CACAGGAG 425
 Qy 145 IleArgHistYstArgIleHistYstLeuAspAsnGlyTripletYtYrIleSerProArgLeu 164
 Db 426 GTAAAGCATTACCGCATTTCGGTCAGAACACTGTACTACATTCCCGAGGCC 485
 Qy 165 Thr-Phe-ProSerIeuglmlalaijevalaaspHistYsergluelalaaspIleCys 184
 Db 486 ACCTTCR2GTGCCTGGAGACCTTGAACCACTATCTGGTGTGATGGCCTGTGC 545
 Qy 185 CysLeuLeuLysgluProCysValLeuGlnArgGalaIgylProLeuProGlyLysAspIle 204
 Db 546 TGTGTCACCAACGCCCTGCTGACAAAGCACCGCTGCCCCAGCAGTCAGGGCCTCC 605
 Qy 205 ProLeuProValThrValGlnArgIgth-ProLeuAspTIPAsPAspSerSerLeu 224
 Db 606 AGCTCACTGTCACCTGTCACCTGTCAGAAAGCTGAGCTGAGGAGATGTCCAGA----- 659
 Qy 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerLeuLeu 237
 Db 660 ---CTGCGGGAGGACCCGGAGGAAACAGAGAACCCGTTGGGTAGACGAGTCCCTTTC 716
 Qy 238 SerGluGlyLeuArgGluSerLeuSerPheYtYrIleSerLeuAsnAspGlu 254
 Db 717 AGCTATGCCCTTGAGAGCATGTCCTTACCTGTCCTGACCACTGAG 767
 Db RESULT 10
 US-10-342-897-1312
 ; Sequence 1312, Application US/10342887
 ; GENERAL INFORMATION:
 ; APPLICANT: He, Yudong
 ; APPLICANT: Linsley, Peter S.
 ; APPLICANT: Mao, Mao
 ; APPLICANT: Roberts, Christopher J.
 ; APPLICANT: Van 't Veer, Laura Johanna
 ; APPLICANT: Van de Vijver, Marc J.
 ; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
 ; FILE REFERENCE: 9301-188-999
 ; CURRENT APPLICATION NUMBER: US/10/342,887
 ; PRIORITY FILING DATE: 2003-01-15
 ; PRIORITY APPLICATION NUMBER: 60/4298,918
 ; PRIORITY FILING DATE: 2001-06-19
 ; PRIORITY APPLICATION NUMBER: 60/380,710
 ; PRIORITY FILING DATE: 2002-05-14
 ; PRIORITY APPLICATION NUMBER: 10/172,118
 ; PRIORITY FILING DATE: 2002-06-14
 ; NUMBER OF SEQ ID NOS: 2699
 ; SEQ ID NO: 1312
 ; LENGTH: 2665
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-342-897-1312
 Alignment Scores:
 Pred. No.: 2.79e-46
 Score: 487.00
 Percent Similarity: 57.20%
 Best Local Similarity: 39.30%
 Query Match: 35.99%
 DB: 13
 Length: 2665
 Matches: 101
 Conservative: 46
 Mismatches: 94
 Indels: 16
 Gaps: 3
 US-09-939-853A-75 (1-261) x US-10-342-887-1312 (1-2665)
 Qy 5 ProSerArgGlySerLeuProSerProSerIeuglserSerValGlyGlyGly 24
 Db 24 CGAGGAAAGAAAGAAAGAAAGAAAGAAAGATGAAATCAGGATGAAATCACCCTGCGGAGGG 83

Qy 25 ProValIthMetGluAlaGluArgSerIysalathAlaValAlaLeuGlySerPhePro 44
 Db 84 CCCCTGCCAAACCGGAGGGACTGGATAAGCTTGCCTGCTGCTAAGTGACTAACCG 143
 Qy 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGlu 64
 Db 144 TCTCTGACATCAGCCCCGATATTGGCCGAGGGAGAAACTGGGTTGATTTCTGAT 203
 Qy 65 AspGlyAspIysPrtrpThrValLeuSerGluValSerGlyArgGluLysAspIleProSer 84
 Db 204 GAAGGGGCTGGTGGAGAAAGCTTACTCTTAGACTGGTGCAGAGACTACCCCTCGA 263
 Qy 85 ValHisValGlyIysValSerHisGlyIysProLeuSerArgGlyIysAla 104
 Db 264 ATATCGTGGCCAAAGTTACATGGCTGCTGGCTGGAGAGCAAGGC 323
 Qy 105 GluGluLeuLeuLeuLeuProGlyAsnProGlyAlaIaphelIeuLeuArgGluIusergIn 124
 Db 324 GAGGAGCTGCTGACTGCTGAGACAAAGGTGCTCTCATGATAAGAGAGTGAG 383
 Qy 125 ThraArgGlySerytSerIeuglserValArgLeuSerArgProAlaSerTIPAsPArg 144
 Db 384 ACCAGAAAAGGGTTTACCTCACTCTGGTGA-----CACAGGCAZAG 425
 Qy 145 IleArgHistYargIleHistYcysLeuAspAsnGlyTripletYtIleSerProArgLeu 164
 Db 426 GTAAAGCATTACCGGATTTCGNTGCGGAACAACTGTACTACATTCGGCTGGCAGGCC 485
 Qy 165 ThrPheProSerIeuglmlalaijevalaaspHistYsergluelalaaspIleCys 184
 Db 486 ACCCTCAGTGCTGCTGGAGCTGACACTATCTGGTGTGAGTGGCTGCTGCTGC 545
 Qy 185 CysLeuLeuLysgluProCysValLeuGinArgAlaIgylProLeuProGlyLysAspIle 204
 Db 546 TGTTGCTCACCAACCCCTGCTGACACAAAGCAGGCTGCCCCAGCAGTCAG 605
 Qy 205 ProLeuProValThrValGlnArgThrProLeuSerTIPAsPAspSerSerLeu 224
 Db 606 AGCTCACCTGTCACCTGCTCAGAGACTGTGGACTGGGAGATGNCAGA----- 659
 Qy 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerIeuglser 237
 Db 660 ---CTGCGGGAGGACCCGGAGGAAACAGAGAACCCGTTGGGTAGACGAGTCCCTTTC 716
 Qy 238 SerGluGlyLeuArgGluSerLeuSerPheYtYrIleSerLeuAspGlu 254
 Db 717 AGCTATGCCCTTGAGAGCATGTCCTTACCTGTCCTGACCACTGAGTGG 767
 RESULT 11
 US-10-172-118-1312
 ; Sequence 1312, Application US/10172118
 ; Publication No. US20030224374A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Dai, Hongyue
 ; APPLICANT: He, Yudong
 ; APPLICANT: Linsley, Peter
 ; APPLICANT: Mao, Mao
 ; APPLICANT: Roberts, Chris
 ; APPLICANT: Van 't Veer, Laura
 ; APPLICANT: Van de Vijver, Marc
 ; APPLICANT: Bernard, Rene
 ; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
 ; FILE REFERENCE: 9301-175-999
 ; CURRENT APPLICATION NUMBER: US/10/172,118
 ; PRIORITY APPLICATION NUMBER: 60/380,770
 ; PRIORITY FILING DATE: 2002-06-14
 ; NUMBER OF SEQ ID NOS: 2699
 ; SEQ ID NO: 1312
 ; LENGTH: 2665
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-939-853A-75 (1-261) x US-10-342-887-1312 (1-2665)
 Qy 5 ProSerArgGlySerLeuProSerProSerIeuglserSerValGlyGlyGly 24
 Db 24 CGAGGAAAGAAAGAAAGAAAGAAAGATGAAATCAGGATGAAATCACCCTGCGGAGGG 83

PUBLICATION INFORMATION:
 DATABASE ACCESSION NUMBER: NM_006748
 DATABASE ENTRY DATE: 2001-06-18
 US-10-172-118-1312

Alignment Scores:
 Pred. No.: 5 ProSerArgArgLysSerLeuProSerLeuSerSerValGlnGly 24
 Db: 24 CCAGGGAAAAGAAAATGGAAACCATGAATACTCCCTGCCCTGGCGAGGG 83

Qy 25 ProValThrMetGluAlaGluArgSerIysAlaThrAlaValAlaLeuGlySerPhPro 44
 Db: 84 CCCCTGCCAACCCGGGAGGGACTCGATAGCGACTTCCTTGCCGTGCPAAGTGACTACCG 143

Qy 45 AlaGlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerLu 64
 Db: 144 TCTCCTGACATCAGCCCCGATATTCCCGAGGGAGAAACTGCGTGTGTTCTGT 203

Qy 65 AspIysAspIysAspIysPrThrValLeuSerIysAlaValSerGlyArgGluTyRAsnIleProSer 84
 Db: 204 GAAGGGGCTGGTGAAGNGCTATTCTCTTAGCACITGGAGAGTACATCCCTGGA 263

Qy 85 ValHisVaGlyLysValSerHisGlyLysPrThrLeuTyRGluglyLeuSerArgGluLysAla 104
 Db: 264 ATAGTGGCCAGAGTTACATGGCGGCGTTTGAACAGGCC 323

Qy 105 GluGlutLeuLeuLeuProGlyAsnProGlyGlyAlaPheLeuIleArgGluSerGln 124
 Db: 324 GAGGAGTGTGCAGCTCCAGACAAGCTGGCTCCTTCATGATCAGAGAGACTGAG 383

Qy 125 ThrArgGlyLysSerIysSerLeuSerValArgLeuSerArgProAlaSerTrpAspArg 144
 Db: 384 ACCAGAAAGGGTTTACTCACTGTCCCTGTGAGA-----CAGGGCAG 425

Qy 145 IleArgHistTyArgIleHisCysLeuAspAsnGlyTrpLeuTyRleuSerProArgLeu 164
 Db: 426 CAAAGGTTTACGCCATTCCGGTCAACCTGGCAACTGTACTACATTCCCAGGCC 485

Qy 165 ThrPheProSerIeuGinAlaLeuValAspIstYrSerGluLeuAlaAspIleCys 184
 Db: 486 ACTTCAGTGTGGAGCTGGTCAACCATATCAGGTCGAGCTGGCTG 545

Qy 185 CysLeuLeuLysGluProCysValleuLeuGlnArgAlaGlyProLeuProGlyLysAspIle 204
 Db: 546 TGTGTCACACACGCCCCCTGACAAAGACCGCTGGCCACGAGTCGGGCTCC 605

Qy 205 ProLeuProValThrValGlnArgThrProLeuAsnTrpLysGluLeuAspSerIeuLeu 224
 Db: 606 AGCTCACTGTGACCTTGCTGAGAACACTGTGGACTGGAGACTGTCCAGA----- 659

Qy 225 LeuPheSerGluAlaAlaThrGly-----GluGluSerIeuLeu 237
 Db: 660 ---CTGGAGGGGAGCCGGAGGGAAACAGGAGACCCGCTGGGTAGACGGGTCCCTTTC 716

Qy 238 SerGlyGlyLeuArgGluLeuSerIeuSerPhTyRileserIeuAsnAspGlu 254
 Db: 717 AGCTAATGCCCTTCGAGAGCATGTGCTTACCTGCTGACCACTGAG 767

RESULT 12
 US-09-867-550-951
 Sequence 951, Application US/09867550
 ; General Information: ; Sequence No.: US20020082206A1
 ; Applicant: Leach, Martin D.
 ; General Information: ; Patent No.: US20020082206A1
 ; Title of Invention: Diagnosis and Prognosis of Breast Cancer Patients
 ; File Reference: 188-99
 ; Current Application Number: US/10/342,887

; APPLICANT: Mehraban, Fuad,
 ; APPLICANT: Conley, Pamela
 ; APPLICANT: Law, Debbie
 ; APPLICANT: Topper, James
 ; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
 ; TITLE OF INVENTION: Therapeutic
 ; FILE REFERENCE: 21402-013 (Cura-313)
 ; CURRENT APPLICATION NUMBER: US/09/867,550
 ; CURRENT FILING DATE: 2001-09-20
 ; PRIOR APPLICATION NUMBER: USN 60/208,427
 ; PRIORITY FILING DATE: 2000-05-30
 ; NUMBER OF SEQ ID NOS: 2125
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 951
 ; LENGTH: 444
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-867-550-951

Alignment Scores:
 Pred. No.: 2.48E-43
 Score: 452.50
 Percent Similarity: 76.80%
 Best Local Similarity: 76.80%
 Query Match: 33.44%
 DB: 9
 Gaps: 1

US-09-939-853A-75 (1-261) x US-09-867-550-951 (1-444)

Qy 1 MetGlySerIeuProSerArgArgLysSerIeuProSerProSerIeuSerSerIeuSer 20
 Db: 157 ATGGAGAGTGTGCCAGGAGAAAGAAATCTGCAAGGCCAAGGGCAAGGGCAGCGCTGTC 216

Qy 21 GlnGlyGlyProValThrMetGluAlaGluArgSerIysAlaThrAlaValAlaLeu 40
 Db: 217 CAAGGCAGGACCTGTGACATGGAGCAGAGAAAGGCAAGGGCACAGCGTGCCTGCT 276

Qy 41 GlySerPheProAlaGlyGlyProAlaGluLeuSerIeuArgLysGluProLeuThr 60
 Db: 277 GGCAAGTTCCGGCGCGTGGCTGAGCTGGCTGAGACTGGGGCCATGTGACC 336

Qy 61 IleValSerGluAspGlyAspTrpTrpThrValLeuSerIeuValSerGlyArgGluTyr 80
 Db: 337 ATCGCTCTCTGAG-----TGGCTATGAGGGCTGTGAC 369

Qy 81 AsnIleProSerValHisValGlyLysValSerHisGlyTrpLeuTyrgluGlyLeuSer 100
 Db: 349 -----TGGCTATGAGGGCTGTGAC 348

Qy 101 ArgGluLysAlaGluGluLeuLeuLeuLeuProGlyIysValSerHisGlyLeuSer 120
 Db: 370 AGGGAAACAGAGGAACCTGCTGTGTAACCTGGACCCCTGAGGGGCTTCCTCATC 429

Qy 121 ArgGluSerGlnThr 125
 Db: 430 CGGGAGGCCAGACC 444

RESULT 13
 US-10-342-887-762
 ; Sequence 762, Application US/10342887
 ; General Information:
 ; Publication No.: US20040058340A1
 ; APPLICANT: Dai, Hongye
 ; APPLICANT: He, Yudong
 ; APPLICANT: Linsley, Peter S.
 ; APPLICANT: Mao, Mao
 ; APPLICANT: Roberts, Christopher J.
 ; APPLICANT: Van 't Veer, Laura Johanna
 ; APPLICANT: Van de Vijver, Marc J.
 ; Title of Invention: Diagnosis and Prognosis of Breast Cancer Patients
 ; File Reference: 188-99
 ; Current Application Number: US/10/342,887

Qy 202 Lys 202
Db 994 AAG 996

RESULT 15
US-10-175-523-50
sequence 520, Application US/10175523
GENERAL INFORMATION:
APPLICANT: Brockman, Jeffrey
APPLICANT: Evans, David
APPLICANT: Hook, Derek
APPLICANT: Klimczak, Leszek
APPLICANT: Laeng, Pascal
APPLICANT: Palfreyman, Michael
APPLICANT: Rajan, Frithi

TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)

FILE REFERENCE: 3233/117795-US3
CURRENT APPLICATION NUMBER: US/10/175,523
CURRENT FILING DATE: 2002-06-18
PRIOR APPLICATION NUMBER: US 60/299,151
PRIOR FILING DATE: 2001-06-18
PRIOR APPLICATION NUMBER: US 60/347,828
PRIOR FILING DATE: 2001-09-07
PRIOR APPLICATION NUMBER: US 60/325,150
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US 60/333,047
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: US 60/349,936
PRIOR FILING DATE: 2002-01-18
PRIOR APPLICATION NUMBER: US 60/361,834
PRIOR FILING DATE: 2002-03-04
NUMBER OF SEQ ID NOS: 197
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 50
LENGTH: 298
TYPE: DNA
ORGANISM: Homo sapiens
US-10-175-523-50

Alignment Scores:
Pred. No.: 9.18e-33 Length: 2298
Score: 370.50 Matches: 80
Percent Similarity: 57.71% Conservative: 36
Best Local Similarity: 39.80% Mismatches: 76
Query Match: 27.38% Indexes: 9
DB: 15 Gaps: 3

US-09-939-853A-75 (1-261) x US-10-175-523-50 (1-2298)
Qy 6 SerArgArgLysSerLeuProSerProSerLeuSerSerValGlnGlyGlnGlyPro 25
Db 409 TCCAAATAAACACAAAGCAGTTCAGAA--TCCTAGGTTTACCTATGATGCC 525
Qy 26 ValThrMetGluAlaGluArgSerLysAlaThrAlaValAlaLeuGlySerProAla 45
Db 466 CAAACTAAAGATCCAGGGACAAGGAGACATTGTGGTACCTATGATGCC 525
Qy 46 GlyGlyProAlaGluLeuSerLeuArgLeuGlyGluProLeuThrIleValSerGluAsp 65
Db 526 ATCCACCGGGAGCTGTCTTCAGAAAGGAGAAAGTGAAAGTCTGGAGGAGCAT 585
Qy 66 GlyAspTPrPThrValLeuSerGluValSerGlyArgGluTyrosnileProSerVal 85
Db 586 GGAGAAATGGTGAAGCAAACTCCCTTTAACAAAAGAACGGCTTCATCCCAGAAC 645
Qy 86 HisValGlyLysVal-----SerHisGlyLysValLeuSerArg 101
Db 646 TAGTGCCAAACTCACACCTAGAACGAAAGTAGCTGGTTCAAGGATAPACCGG 705
Qy 102 GluLysAlaGluGluLeuLeuLeuProGlyAsnProGlyIysAlaPheLeuIleArg 121

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OM nucleic - nucleic search, using sw mode!

Run on: July 24, 2004, 14:02:18 ; Search time 2.81375 Seconds
(without alignments)

3944.566 Million cell updates/sec

Title: US-09-939-853A-140
Perfect score: 20

Sequence: 1 ctggccaggtaggctttg 20

Scoring table: IDENTITY NUC GapOp 10.0 , Gapext 1.0

Searched: 682709 seqs, 27775446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6_ptodata/2/ina/5A_COMB.seq: *
2: /cgn2_6_ptodata/2/ina/5B_COMB.seq: *
3: /cgn2_6_ptodata/2/ina/6A_COMB.seq: *
4: /cgn2_6_ptodata/2/ina/6B_COMB.seq: *
5: /cgn2_6_ptodata/2/ina/PCTUS_Comb.seq: *
6: /cgn2_6_ptodata/2/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15.8	79.0	99916	4 US-09-816-095-3	Sequence 3, Appli
c	2	15.2	76.0	303	4 US-09-49A-039A-4299
c	3	15.2	76.0	1515	4 US-09-071-035-431
c	4	15.2	76.0	1803	4 US-09-071-035-429
c	5	15.2	76.0	2481	4 US-09-134-000C-3193
c	6	15.2	76.0	2611	4 US-09-620-312D-925
c	7	15.2	76.0	3614	4 US-09-221-013A-9
c	8	14.8	76.0	48974	3 US-09-920-422-17
c	9	14.8	74.0	514	4 US-09-621-976-14354
c	10	14.8	74.0	2068	2 US-08-465-589-1
c	11	14.8	74.0	2068	2 US-08-700-636-1
c	12	14.8	74.0	2068	3 US-08-467-574-1
c	13	14.8	74.0	2068	4 US-09-217-345-1
c	14	14.8	74.0	2068	4 US-08-496-855A-1
c	15	14.8	74.0	2277	1 US-08-487-595A-1
c	16	14.8	74.0	2277	4 US-08-487-595A-1
c	17	14.8	74.0	2352	2 US-08-889-909A-21
c	18	14.8	74.0	2352	4 US-09-156-163A-21
c	19	14.8	74.0	2352	4 US-09-982-308B-21
c	20	14.8	74.0	2430	1 US-08-062-368-1
c	21	14.8	74.0	2664	4 US-08-660-451A-1
c	22	14.8	74.0	6268	4 US-09-566-921-7
c	23	14.8	74.0	18994	1 US-08-459-586-4
c	24	14.8	74.0	18994	2 US-08-282-696-4
c	25	14.4	72.0	34063	4 US-09-453-702B-96
c	26	14.4	72.0	36519	3 US-09-923-137-2
c	27	14.2	71.0	998	4 US-08-671-317-191

ALIGNMENTS

RESULT 1
US-09-816-095-3
; Sequence 3, Application US/09816095
; Patent No. 6664084
; GENERAL INFORMATION:
; APPLICANT: GAN, Weinu
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS
; TITLE OF INVENTION: THERAPY
; FILE REFERENCE: CLO00147
; CURRENT APPLICATION NUMBER: US/09/816,095
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 99916
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(99916)
; OTHER INFORMATION: n = A,T,C or G

RESULT 2
US-09-816-095-3
Query Match 79.0%; Score 15.8; DB 4; Length 99916;
Best Local Similarity 89.5%; Pred. No. 86; Mismatches 2; Indels 0; Gaps 0;
Matches 17; Conservative 0; Missmatches 2;
Qy 2 TGGACAGGTAGGGCTTG 20
Db 5532 TGGACAGATAGGCCTTG 5550
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709_2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIORITY APPLICATION NUMBER: US 60/117,747
; PRIORITY FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO: 2499
; LENGTH: 303
; TYPE: DNA

RESULT 3
US-09-071-035-431
Query Match: Sequence 43, Application US/09071035
Best Local Similarity: 76.0%; Pred. No. 69; Score: 15.2; DB: 4; Length: 303;
Matches: 17; Conservative: 0; Mismatches: 3; Indels: 0; Gaps: 0;
Qy 1 CTGGACAGGTAGGCCTTG 20
Db 250 CTGGACAGGTAGGCCTTG 231.

RESULT 4
US-09-071-035-429
Query Match: Sequence 429, Application US/09071035
Best Local Similarity: 85.0%; Pred. No. 0; Score: 15.2; DB: 4; Length: 303;
Matches: 17; Conservative: 0; Mismatches: 3; Indels: 0; Gaps: 0;
Qy 1 CTGGACAGGTAGGCCTTG 20
Db 250 CTGGACAGGTAGGCCTTG 231.

RESULT 5
US-09-134-000C-3193
Query Match: Sequence 3193, Application US/09134000C
Best Local Similarity: 85.0%; Pred. No. 92; Score: 15.2; DB: 4; Length: 1803;
Matches: 17; Conservative: 0; Mismatches: 3; Indels: 0; Gaps: 0;
Qy 1 CTGGACAGGTAGGCCTTG 20
Db 690 CTGGACAGGTAGGCCTTG 709

RESULT 6
US-09-620-312D-925
Query Match: Sequence 687, Application US/09620312D
Best Local Similarity: 85.0%; Pred. No. 97; Score: 15.2; DB: 4; Length: 2481;
Matches: 17; Conservative: 0; Mismatches: 3; Indels: 0; Gaps: 0;
Qy 1 CTGGACAGGTAGGCCTTG 20
Db 687 CTGGACAGGTAGGCCTTG 706

GENERAL INFORMATION:
APPLICANT: G.I.H. Choi
TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
NUMBER OF SEQUENCES: 496
CORRESPONDENCE ADDRESS:
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,035
FILING DATE:

PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: A. Anders Brookes
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB369PB2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 429:
SEQUENCE CHARACTERISTICS:
LENGTH: 1803 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

US-09-071-035-429

Query Match: Sequence 3193, Application US/09134000C
Best Local Similarity: 85.0%; Pred. No. 92; Score: 15.2; DB: 4; Length: 1803;
Matches: 17; Conservative: 0; Mismatches: 3; Indels: 0; Gaps: 0;

GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 032796-032
CURRENT APPLICATION NUMBER: US/09/134,000C
CURRENT FILING DATE: 1998-08-13
PRIORITY APPLICATION NUMBER: US 60/055,778
PRIORITY FILING DATE: 1997-08-15
NUMBER OF SEQ ID NOS: 6812
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 3193
LENGTH: 2481
TYPE: DNA
ORGANISM: Enterococcus faecalis

US-09-134-000C-3193

Query Match: Sequence 3193, Application US/09134000C
Best Local Similarity: 85.0%; Pred. No. 97; Score: 15.2; DB: 4; Length: 2481;
Matches: 17; Conservative: 0; Mismatches: 3; Indels: 0; Gaps: 0;

GENERAL INFORMATION:
APPLICANT: G.I.H. Choi
TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
NUMBER OF SEQUENCES: 496
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.

Sequence 925, Application US/09620312D
 GENERAL INFORMATION:
 APPLICANT: Tang, Y. Tom
 APPLICANT: Liu, Chenghua
 APPLICANT: Asundi, Vinod
 APPLICANT: Zhang, Jie
 APPLICANT: Ren, Feiyan
 APPLICANT: Chen, Fui-hong
 APPLICANT: Zhao, Qing A.
 APPLICANT: Wehrman, Tom
 APPLICANT: Xue, Adong J.
 APPLICANT: Yang, Yongnong
 APPLICANT: Wang, Jian-Rui
 APPLICANT: Zhou, Ping
 APPLICANT: Ma, Yuncing
 APPLICANT: Wang, Dunrui
 APPLICANT: Wang, Zhiwei
 APPLICANT: John Tillinghast
 APPLICANT: Drmanac, Radoje T.
 TITLE OF INVENTION: No. 65696261 Nucleic Acids and
 Polypeptides
 FILE REFERENCE: 78CIP2B
 CURRENT APPLICATION NUMBER: US/09/620,312D
 CURRENT FILING DATE: 2000-07-19
 PRIOR APPLICATION NUMBER: 09/1552,317
 PRIOR FILING DATE: 2000-04-25
 PRIOR APPLICATION NUMBER: 09/488,725
 PRIOR FILING DATE: 2000-01-21
 NUMBER OF SEQ ID NOS: 1105
 SOFTWARE: Pt_FL_genes Version 1.0
 SEQ ID NO: 925
 LENGTH: 2611
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (280)..(1885)
 US-09-620-312D-925

Query Match Score 76.0%; Best Local Similarity 85.0%; Pred. No. 98; Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0; Length 2611;

RESULT 7
 US-09-221-013A-9/c
 Sequence 9, Application US/09221013A
 GENERAL INFORMATION:
 APPLICANT: Arioli, Antonio
 APPLICANT: Williamson, Richard E.
 APPLICANT: Betzner, Andreas S.
 APPLICANT: Peng, Liangcai
 TITLE OF INVENTION: Manipulation of cellulose and/or Beta-1,4-glucan
 FILE REFERENCE: 96-98
 CURRENT APPLICATION NUMBER: US/09/221,013A
 CURRENT FILING DATE: 1998-12-23
 PRIOR APPLICATION NUMBER: PCT/AU97/00402
 PRIOR FILING DATE: 1997-06-24
 PRIOR APPLICATION NUMBER: AU P00699
 PRIOR FILING DATE: 1996-06-27
 NUMBER OF SEQ ID NOS: 37
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 9
 LENGTH: 3614
 TYPE: DNA
 ORGANISM: Arabidopsis thaliana
 FEATURE:

NAME/KEY: CDS
 LOCATION: (217)..(3411)
 US-09-221-013A-9

Query Match Score 76.0%; Best Local Similarity 85.0%; Pred. No. 1e+02; Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Qy 1 CTGGACAGGTAGGGCTTG 20
 Db 1600 CAGGACATTAGGGCTTG 1581

RESULT 8
 US-08-920-422-17/c
 Sequence 17, Application US/08920422A
 GENERAL INFORMATION:
 APPLICANT: Victek, Michael P.
 APPLICANT: Mitsuda, No. 6255473
 APPLICANT: Roses, Allen D.
 TITLE OF INVENTION: Presenilin-1 Gene Promoter
 FILE REFERENCE: VITERPRESSINILIN
 CURRENT APPLICATION NUMBER: US/08/920,422A
 CURRENT FILING DATE: 1997-08-29
 NUMBER OF SEQ ID NOS: 22
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 17
 LENGTH: 48974
 TYPE: DNA
 ORGANISM: Mus musculus
 US-08-920-422-17

Query Match Score 76.0%; Best Local Similarity 85.0%; Pred. No. 1.e+02; Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Qy 1 CTGGACAGGTAGGGCTTG 20
 Db 33769 CTGGCAGGATAGGGCTGTG 33750

Query Match Score 76.0%; Best Local Similarity 85.0%; Pred. No. 1.e+02; Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Qy 1 CTGGACAGGTAGGGCTTG 20
 Db 33769 CTGGCAGGATAGGGCTGTG 33750

RESULT 9
 US-09-621-976-14354/c
 Sequence 14354, Application US/09621976
 GENERAL INFORMATION:
 APPLICANT: Giordano, J.Y.
 APPLICANT: Encoded Human Proteins.
 FILE REFERENCE: ENSET.054PR2
 CURRENT APPLICATION NUMBER: US/09/621,376
 CURRENT FILING DATE: 2000-07-21
 NUMBER OF SEQ ID NOS: 19335
 SEQ ID NO: 14354
 LENGTH: 514
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 254
 OTHER INFORMATION: n=a, g, c or t
 US-09-621-976-14354

Query Match Score 74.0%; Best Local Similarity 88.9%; Pred. No. 1.2e+02; Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 3 GGACGGTTAGGGCTTG 20
 Db 311 GGACGGTTAGGGCTTG 294

RESULT 10
 US-08-466-589-1/c
 Sequence 1, Application US/08466589
 Patent No. 5837489

GENERAL INFORMATION:
 APPLICANT: Elliott, Kathryn J.
 APPLICANT: Ellis, Steven B.
 APPLICANT: Harpold, Michael M.
 TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Brown, Martin, Haller & McClaim
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: CA
 ZIP: 92101-2926

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/466-589
 FILING DATE: June 5, 1995
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/028,031
 FILING DATE: March 8, 1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie L.
 REGISTRATION NUMBER: 33,779
 REFERENCE/DOCKET NUMBER: 6362-9950

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-238-0999
 TELEFAX: 619-238-0062
 TELEX:

INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2068 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 166..1752

Query Match Score 14.8%; DB 2; Length 2068;
 Best Local Similarity 88.9%; Pred. No. 1.5e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 GGACAGGTAGGGCTTG 20
 Db 144 GGTAGGTCAGGCTTG 127

RESULT 11
 US-08-700-635-1/c
 Sequence 1, Application US/08700636
 Patent No. 5910582

GENERAL INFORMATION:
 APPLICANT: Elliott, Kathryn J.
 APPLICANT: Ellis, Steven B.
 APPLICANT: Harpold, Michael M.
 TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:

RESULT 12
 US-08-467-574-1/c
 Sequence 1, Application US/08467574
 Patent No. 6022704

GENERAL INFORMATION:
 APPLICANT: Elliott, Kathryn J.
 APPLICANT: Ellis, Steven B.
 APPLICANT: Harpold, Michael M.
 TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: CA
 ZIP: 92101-2926

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,574
 FILING DATE: June 5, 1995
 CLASSIFICATION: 536

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/028, 031
 FILING DATE: March 8, 1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie L.
 REFERENCE/DOCKET NUMBER: 33-779
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-238-9999
 TELEFAX: 619-238-0062
 TELEX:
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2068 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 166..1752
 NAME/KEY: CDS
 LOCATION: 166..1752
 NAME/KEY: CDS
 LOCATION: 166..1752

Query Match 74.0%; Score 14.8; DB 3; Length 2068;
 Best Local Similarity 88.9%; Pred. No. 1.5e+02; Indels 0; Gaps 0;
 Matches 16; Conservative 0; Mismatches 0; Indexes 2; Gaps 0;

Qy 3 GGACAGGTAGGGCTTG 20
 Db 144 GGTCAGGTCAGGGCTTG 127

RESULT 14
 US-09-892-985-1/c
 Sequence 1, Application US/09217345
 Patent No. 6303753
 GENERAL INFORMATION:
 APPLICANT: Elliot, Kathryn J.
 APPLICANT: Ellis, Steven B.
 APPLICANT: Harpold, Michael M.
 TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE
 TITLE OF INVENTION: RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSSEE: Heller Ehrman White & McAuliffe
 STREET: 4250 Executive Square, 7th Floor
 CITY: La Jolla
 STATE: CA
 COUNTRY: USA
 ZIP: 92037
 CURRENT APPLICATION DATA:
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 1.5
 APPLICATION NUMBER: US/09/892, 985
 FILING DATE: 27-Jun-2001
 PRIORITY APPLICATION DATA:
 PRIORITY NUMBER: US/09/217, 345
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/217, 345
 FILING DATE: 21-DEC-98
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/467, 574
 FILING DATE: 05-JUN-95
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/466, 589
 FILING DATE: 05-JUN-95
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/028, 031
 FILING DATE: 08-MAR-93
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/467, 574
 FILING DATE: 05-JUN-95
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/466, 589
 FILING DATE: 05-JUN-95
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/028, 031
 FILING DATE: 08-MAR-93
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie L.
 REFERENCE/DOCKET NUMBER: 33-779
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-450-8400
 TELEFAX: 619-87-5360
 TELEX: <Unknown>
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2068 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 MOLECULE TYPE: cDNA

FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 166..1752
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 1;
 US-09-B92-985-1

Search completed: July 24, 2004, 23:36:02
 Job time : 4.81375 secs

Query Match 74.0%; Score 14.8; DB 4; Length 2068;
 Best Local Similarity 88.9%; Pred. No. 1.5e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 3 GGACAGGTAGGCGTTG 20
 Db 144 GGTCAAGTCAAGGCCTTG 127

RESULT 15
 US-08-496-855A-1/c
 Sequence 1, Application US/08496855A
 Patent No. 5801232

GENERAL INFORMATION:
 APPLICANT: Elliott, Kathryn J.
 APPLICANT: Ellis, Steven B.
 APPLICANT: Harpold, Michael M.
 TITLE OF INVENTION: HUMAN NEURONAL NICOTINIC ACETYLCHOLINE RECEPTOR COMPOSITIONS AND METHODS EMPLOYING SAME
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Brown, Martin, Haller & McClain
 STREET: 1660 Union Street
 CITY: San Diego
 STATE: CA
 COUNTRY: U.S.A.
 ZIP: 92101-2926

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/496, 855A
 FILING DATE: 20-JUN-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/149, 503
 FILING DATE: 08-NOV-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/028, 031
 FILING DATE: 08-MAR-1993
 ATTORNEY / AGENT INFORMATION:
 NAME: Saidman, Stephanie
 REGISTRATION NUMBER: 33,779
 REFERENCE DOCKET NUMBER: 6362-9369B
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-238-0999
 TELEFAX: 619-238-0062

INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2277 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 MOLECULE TYPE: cDNA

FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 166..1755
 US-08-496-855A-1

Query Match 74.0%; Score 14.8; DB 1; Length 2277;
 Best Local Similarity 88.9%; Pred. No. 1.5e+02;
 Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Qy 3 GGACAGGTAGGCGTTG 20
 Db 144 GGTCAAGTCAAGGCCTTG 127

RESULT 2
 US-09-867-550-951/C
 Sequence 951, Application US/09867550
 Patent No. US20020082206A1
 GENERAL INFORMATION:
 i APPLICANT: Leach, Martin D.
 i APPLICANT: Mehrabani, Roud.
 i APPLICANT: Conley, Pamela
 i APPLICANT: Law, Debbie
 i APPLICANT: Topper, James
 i TITLE OF INVENTION: Novel Polynucleotides from Atherogenic Cells and
 i FILE REFERENCE: 21402-013 (Curta-313)
 i CURRENT FILING DATE: 2001-09-20
 i PRIOR APPLICATION NUMBER: USSN 60/208,427
 i PRIOR FILING DATE: 2000-05-30
 i NUMBER OF SEQ ID NOS: 2125
 i SOFTWARE: FastSEQ for Windows Version 4.0
 i SEQ ID NO: 951
 i LENGTH: 444
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 US-09-867-550-951

Query Match 100.0%; Score 20; DB 9; Length 444;
 Best Local Similarity 100.0%; Pred. No. 1.6;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGACAGTTAGGGCTTG 20
 Db 60 CTGACAGTTAGGGCTTG 41

RESULT 3
 US-09-867-550-953/C
 Sequence 953, Application US/09867550
 Patent No. US20020082206A1
 GENERAL INFORMATION:
 i APPLICANT: Leech, Martin D.
 i APPLICANT: Mehrabani, Roud.
 i APPLICANT: Conley, Pamela
 i APPLICANT: Law, Debbie
 i APPLICANT: Topper, James
 i TITLE OF INVENTION: Novel Polynucleotides from Atherogenic Cells and
 i FILE REFERENCE: 21402-013 (Curta-313)
 i CURRENT FILING DATE: 2001-09-20
 i PRIOR APPLICATION NUMBER: USSN 60/208,427
 i PRIOR FILING DATE: 2000-05-30
 i NUMBER OF SEQ ID NOS: 2125
 i SOFTWARE: FastSEQ for Windows Version 4.0
 i SEQ ID NO: 953
 i LENGTH: 763
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 US-09-867-550-953

Query Match 100.0%; Score 20; DB 9; Length 763;
 Best Local Similarity 100.0%; Pred. No. 1.6;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGACAGTTAGGGCTTG 20
 Db 189 CTGACAGTTAGGGCTTG 170

RESULT 4
 US-09-814-353-21302/C
 Sequence 21302, Application US/09814353
 Publication No. US2003015583A1

GENERAL INFORMATION:
 i APPLICANT: Lee, John
 i APPLICANT: Thompson, Pamela
 i APPLICANT: Lillie, James
 i TITLE OF INVENTION: Novel Compositions, Kits, and Methods for
 i IDENTIFICATION, ASSESSMENT, PREVENTION, AND
 i TREATMENT OF OVARIAN CANCER
 i FILE REFERENCE: MRI-006B
 i CURRENT FILING DATE: 2001-03-21
 i PRIOR APPLICATION NUMBER: US/09/814,353
 i PRIORITY NUMBER: US 60/191,031
 i PRIORITY FILING DATE: 2000-03-21
 i PRIOR APPLICATION NUMBER: US 60/207,124
 i PRIORITY FILING DATE: 2000-05-25
 i PRIOR APPLICATION NUMBER: US 60/211,940
 i PRIORITY FILING DATE: 2000-06-15
 i PRIOR APPLICATION NUMBER: US 60/216,820
 i PRIORITY FILING DATE: 2000-07-07
 i PRIOR APPLICATION NUMBER: US 60/220,661
 i PRIORITY FILING DATE: 2000-07-25
 i PRIOR APPLICATION NUMBER: US 60/257,672
 i PRIORITY FILING DATE: 2000-12-21
 i NUMBER OF SEQ ID NOS: 22637
 i SOFTWARE: FastSEQ for Windows Version 4.0
 i SEQ ID NO: 21302
 i LENGTH: 864
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 i FEATURE:
 i NAME/KEY: misc_feature
 i LOCATION: 1, 2, 3, 32, 862, 863, 864
 i OTHER INFORMATION: n = A,T,C or G
 US-09-814-353-21302

Query Match 100.0%; Score 20; DB 10; Length 864;
 Best Local Similarity 100.0%; Pred. No. 1.6;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGACAGTTAGGGCTTG 20
 Db 353 CTGACAGTTAGGGCTTG 334

RESULT 5
 US-09-939-853A-74/c
 Sequence 74, Application US/09939853A
 Publication No. US20040039163A1
 GENERAL INFORMATION:
 i APPLICANT: Burgess et al.
 i TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
 i FILE REFERENCE: 21402-009
 i CURRENT FILING NUMBER: US/09/939,853A
 i CURRENT FILING DATE: 2001-08-27
 i PRIOR APPLICATION NUMBER: 60/228,191
 i PRIORITY NUMBER: 60/228,191
 i PRIORITY FILING DATE: 2000-08-25
 i PRIOR APPLICATION NUMBER: 60/267,300
 i PRIORITY FILING DATE: 2001-02-08
 i PRIOR APPLICATION NUMBER: 60/269,961
 i PRIORITY FILING DATE: 2001-02-20
 i PRIOR APPLICATION NUMBER: 60/277,337
 i PRIORITY FILING DATE: 2001-03-20
 i NUMBER OF SEQ ID NOS: 159
 i SOFTWARE: PatentIn Ver. 2.1
 i SEQ ID NO: 74
 i LENGTH: 1183
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 US-09-939-853A-74

Query Match 100.0%; Score 20; DB 13; Length 1183;
 Best Local Similarity 100.0%; Pred. No. 1.6;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGGACAGGTAGGGCTTG 20
 Db 301 CTGGACAGGTAGGGCTTG 282

RESULT 6
 US-09-939-853A-76 Sequence 76, Application US/0939853A
 PUBLIC INFORMATION No. US20040039163A1
 APPLICANT: Burgess et al.
 TITLE OF INVENTION: No. US20040039163A1el Proteins and Nucleic Acids Encoding Same
 FILE REFERENCE: 21402-099
 CURRENT APPLICATION NUMBER: US/09/939,853A
 CURRENT FILING DATE: 2001-08-27
 PRIOR APPLICATION NUMBER: 60/1228,191
 PRIOR FILING DATE: 2000-08-25
 PRIOR APPLICATION NUMBER: 60/1267,300
 PRIOR FILING DATE: 2001-02-08
 PRIOR APPLICATION NUMBER: 60/1269,961
 PRIOR FILING DATE: 2001-02-20
 PRIOR APPLICATION NUMBER: 60/1277,337
 PRIOR FILING DATE: 2001-03-20
 NUMBER OF SEQ ID NOS: 159
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 76
 LENGTH: 1183
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-939-853A-76

Query Match Score 20; DB 13; Length 1183;
 Best Local Similarity 100.0%; Pred. No. 1.6;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGGACAGGTAGGGCTTG 20
 Db 883 CTGGACAGGTAGGGCTTG 902

RESULT 7
 US-10-085-783A-25371
 Sequence 25371, Application US/10085783A
 PUBLIC INFORMATION No. US20040037841A1
 APPLICANT: ChondroGene Inc.
 APPLICANT: Liew, C.C.
 TITLE OF INVENTION: Compositions and Methods Relatiing to Osteoarthritis
 FILE REFERENCE: 4231/2002
 CURRENT APPLICATION NUMBER: US/10/085,783A
 PRIOR APPLICATION NUMBER: US 60/305,340
 PRIOR FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: US 60/275,017
 PRIOR FILING DATE: 2001-03-12
 PRIOR APPLICATION NUMBER: US 60/271,955
 NUMBER OF SEQ ID NOS: 58994
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 25371

Query Match Score 20; DB 13; Length 422;
 Best Local Similarity 94.7%; Pred. No. 35;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CTGGACAGGTAGGGCTTG 19
 Db 61 CTGGACAGGTAGGGCTTG 79

RESULT 8
 US-10-242-535A-25371
 Sequence 25371, Application US/10242535A
 Publication No. US2004001663A1
 GENERAL INFORMATION:
 APPLICANT: ChondroGene Inc.
 APPLICANT: Liew, C.C.
 TITLE OF INVENTION: Compositions and Methods Relatiing to Osteoarthritis
 FILE REFERENCE: 4231/2005
 CURRENT APPLICATION NUMBER: US/10/242,535A
 CURRENT FILING DATE: 2001-09-12
 PRIORITY NUMBER: US 10/085,783
 PRIORITY FILING DATE: 2002-02-28
 PRIORITY NUMBER: US 60/305,340
 PRIORITY FILING DATE: 2001-07-13
 PRIORITY APPLICATION NUMBER: US 60/275,017
 PRIORITY FILING DATE: 2001-03-12
 PRIORITY APPLICATION NUMBER: US 60/271,955
 PRIORITY FILING DATE: 2001-02-28
 NUMBER OF SEQ ID NOS: 58994
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 25371

Query Match Score 20; DB 13; Length 422;
 Best Local Similarity 94.7%; Pred. No. 35;
 Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CTGGACAGGTAGGGCTTG 19
 Db 61 CTGGACAGGTAGGGCTTG 79

RESULT 9
 US-10-027-632-133814
 Sequence 133814, Application US/10027632
 Publication No. US20020198371A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 Polymorphisms in the Human Genome
 FILE REFERENCE: 108827129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-30
 PRIORITY NUMBER: US 60/218,006
 NAME/KEY: misc_feature

PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 6/0/198, 676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 6/0/193, 483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 6/0/185, 218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 6/0/167, 363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 6/0/156, 358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 6/0/146, 002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 133814
 LENGTH: 665
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-133814

Query Match 84.0%; Score 16.8; DB 13; Length 665;
 Best Local Similarity 90.0%; Prod. No. 73; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0;

Qy 1 CTGGACAGGTTAGGGCTTG 20
 Db 344 CTGGACAGGATAGGGCTTG 363

RESULT 10
 US-10-027-632-133814
 / Sequence 133814, Application US/10027632
 / Publication No. US20030204075A9
 / GENERAL INFORMATION:
 / APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108127.129
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 6/0/218, 006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 6/0/198, 676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 6/0/193, 483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 6/0/185, 218
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 LENGTH: 665
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-133814

Query Match 84.0%; Score 16.8; DB 16; Length 665;
 Best Local Similarity 90.0%; Prod. No. 73; Mismatches 2; Indels 0; Gaps 0;
 Matches 18; Conservative 0;

Qy 1 CTGGACAGGTTAGGGCTTG 20
 Db 344 CTGGACAGGATAGGGCTTG 363

RESULT 11
 US-10-027-632-133814
 / Sequence 133814, Application US/10027632
 / Publication No. US20030204075A9
 / GENERAL INFORMATION:
 / APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108127.129
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 6/0/218, 006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 6/0/198, 676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 6/0/193, 483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 6/0/185, 218
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 LENGTH: 665
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-133814

Query Match 84.0%; Score 16.8; DB 16; Length 665;
 Best Local Similarity 90.0%; Prod. No. 73; Mismatches 2; Indels 0; Gaps 0;
 Matches 18; Conservative 0;

Qy 1 CTGGACAGGTTAGGGCTTG 20
 Db 344 CTGGACAGGATAGGGCTTG 363

RESULT 12
 US-10-027-632-103042/C
 / Sequence 103042, Application US/10027632
 / Publication No. US20030204075A9
 / GENERAL INFORMATION:
 / APPLICANT: Wang, David G.

TITLE OF INVENTION: Polymorphisms in the Human Genome
 FILE REFERENCE: 108127.129
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 6/0/218, 006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 6/0/198, 676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 6/0/193, 483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 6/0/185, 218
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 LENGTH: 665
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-133814

Query Match 84.0%; Score 16.8; DB 16; Length 665;
 Best Local Similarity 90.0%; Prod. No. 73; Mismatches 2; Indels 0; Gaps 0;
 Matches 18; Conservative 0;

Qy 1 CTGGACAGGTTAGGGCTTG 20
 Db 344 CTGGACAGGATAGGGCTTG 363

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 103042
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103042

Query Match          84.0%; Score 16.8; DB 13; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 2; Length 2424;
Qy      1 CTGGACAGGTAGGGCTTG 20
Db      1453 CTGGACAGGTAGGGCTTG 1434

RESULT 13
US-10-027-632-103043/C
; Sequence 103043, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-00
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 323720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 103043
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103043

Query Match          84.0%; Score 16.8; DB 13; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76; Indels 0; Gaps 0;
Matches 18; Conservative 2; Mismatches 2; Length 2424;
Qy      1 CTGGACAGGTAGGGCTTG 20
Db      1453 CTGGACAGGTAGGGCTTG 1434

RESULT 14
US-10-027-632-103042/C
; Sequence 103042, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; NUMBER OF SEQ ID NOS: 323720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 103042
; LENGTH: 2424
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-103043

Query Match          84.0%; Score 16.8; DB 16; Length 2424;
Best Local Similarity 90.0%; Pred. No. 76; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 2; Length 2424;
Qy      1 CTGGACAGGTAGGGCTTG 20
Db      1453 CTGGACAGGTAGGGCTTG 1434

Search completed: July 25, 2004, 02:23:14
Job time : 18.227 secs

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OM nucleic - nucleic search, using sw model

Run on: July 24, 2004, 14:02:18 ; Search time 3.65787 Seconds
(without alignments)

3944.566 Million cell updates/seq

Title: US-09-939-853A-141

Perfect score: 26

Sequence: 1 ccttcgttggaaatcgccatgtgcctt 26

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Searched: 682709 seqs, 27475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18.8	72.3	423	2	US-09-797-689-11 Sequence 11, Appl
2	18.8	72.3	423	4	US-09-981-186-11 Sequence 11, Appl
3	18.8	72.3	600	4	US-09-101-272G-72 Sequence 72, Appl
4	18.8	72.3	624	4	US-09-101-272G-79 Sequence 79, Appl
5	18.8	72.3	645	4	US-09-101-272G-95 Sequence 95, Appl
6	18.8	72.3	666	4	US-09-101-272G-97 Sequence 97, Appl
7	18.8	72.3	1233	1	US-09-254-922-1 Sequence 1, Appl
8	18.8	72.3	1233	1	US-09-286-748B-1 Sequence 1, Appl
9	18.8	72.3	1236	1	US-07-957-039A-1 Sequence 7, Appl
10	18.8	72.3	1236	1	US-09-151-272G-99-17 Sequence 17, Appl
11	18.8	72.3	1236	4	US-09-023-655-927 Sequence 927, Appl
12	18.8	72.3	1372	6	5219569-1 Patent No. 5219569
13	18.8	72.3	1475	4	US-09-643-597-122 Sequence 122, APP
14	18.8	72.3	1475	4	US-09-480-884A-122 Sequence 122, APP
15	18.8	72.3	1475	4	US-09-542-615A-112 Sequence 122, APP
16	18.8	72.3	1475	4	US-09-605-421B-122 Sequence 122, APP
17	18.8	72.3	1475	4	US-09-221-107-122 Sequence 122, APP
18	18.8	72.3	2294	4	US-09-643-597-123 Sequence 123, APP
19	18.8	72.3	2294	4	US-09-480-884A-123 Sequence 123, APP
20	18.8	72.3	2294	4	US-09-542-615A-123 Sequence 123, APP
21	18.8	72.3	2294	4	US-09-605-421B-123 Sequence 123, APP
22	18.8	72.3	2294	4	US-09-023-655-1217 Sequence 123, APP
23	18.8	72.3	2294	4	US-09-221-107-123 Sequence 123, APP
24	18.8	72.3	2301	6	5188929-2 Patent No. 5188929
25	17.8	68.5	9391	4	US-09-562-702A-11 Sequence 11, Appl
26	17.8	68.5	9511	4	US-09-562-702A-9 Sequence 5, Appl
c 27	17.6	67.7	273	4	US-09-313-294A-38 Sequence 38, Appl

ALIGNMENTS

RESULT 1
US-08-797-689-11
; Sequence 11, Application US/08797689
; Patent No. 5876959
; GENERAL INFORMATION:
; APPLICANT: Fleer, Reinhard
; APPLICANT: Fournier, Alain
; APPLICANT: Guittot, Jean-Dominique
; APPLICANT: Jung, Gerard
; APPLICANT: Yeh, Patrice
; TITLE OF INVENTION: NOVEL BIOLOGICALLY ACTIVE POLYPEPTIDES,
; PREPARATION THEREOF AND PHARMACEUTICAL COMPOSITION
; TITLE OF INVENTION: CONTAINING SAID POLYPEPTIDES
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Road, 3C43
; CITY: Collegeville
; STATE: PA USA
; ZIP: 19426
; COUNTRY: USA
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Macintosh
; OPERATING SYSTEM: System 7.1
; SOFTWARE: Word 5.1 (PatentIn)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/797,689
; FILING DATE: 31-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/00085
; FILING DATE: 28-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: P-38 619
; REFERENCE/DOCKET NUMBER: ST92006-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610) 454-3839
; TELEFAX: (610) 454-3808
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423 base Pairs
; TYPE: nucleic acid
; STRANDEDNESS: double

TOPOLOGY: linear
 FEATURE: CDS
 NAME/KEY: CDS
 LOCATION: 3..419
 US-08-797-689-11

Query Match 72.3%; Score 18.8; DB 4; Length 423;
 Best Local Similarity 90.9%; Pred. No. 11;
 Matches 20; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 5 CTGAAAGTGTGCCAGTGCTT 26
 Db 230 CTGAAACTGCCACTGCTT 251

RESULT 3
 US-09-101-272G-72
 ; Sequence 72, Application US/09101272G
 ; Patent No. 6509445
 ; GENERAL INFORMATION:
 ; APPLICANT: Nissin Food Products Co., Ltd.
 ; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
 ; FILE REFERENCE: Q50979
 ; CURRENT APPLICATION NUMBER: US/09/101,272G
 ; CURRENT FILING DATE: 1998-07-08
 ; PRIORITY APPLICATION NUMBER: JP 1059/1996
 ; PRIOR FILING DATE: 1996-01-08
 ; NUMBER OF SEQ ID NOS: 107
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 72
 ; LENGTH: 600
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; OTHER INFORMATION: ATF domain of upA
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(600)
 ; OTHER INFORMATION:
 ; NAME/KEY: mat_peptide
 ; LOCATION: (61)..()
 ; OTHER INFORMATION:
 ; SEQ ID NO: 72

Query Match 72.3%; Score 18.8; DB 4; Length 600;
 Best Local Similarity 90.9%; Pred. No. 12;
 Matches 20; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Qy 5 CTGAAAGTGTGCCAGTGCTT 26
 Db 279 CTGAAACTGCCACTGCTT 300

RESULT 4
 US-09-101-272G-79
 ; Sequence 79, Application US/09101272G
 ; Patent No. 6509445
 ; GENERAL INFORMATION:
 ; APPLICANT: Nissin Food Products Co., Ltd.
 ; TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
 ; FILE REFERENCE: Q50979
 ; CURRENT APPLICATION NUMBER: US/09/101,272G
 ; CURRENT FILING DATE: 1998-07-08
 ; PRIORITY APPLICATION NUMBER: JP 1059/1996
 ; PRIOR FILING DATE: 1996-01-08
 ; NUMBER OF SEQ ID NOS: 107
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 79
 ; LENGTH: 624
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (12)..(593)
 ; OTHER INFORMATION:
 ; NAME/KEY: mat_peptide

INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 423 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 3..419
 SEQUENCE DESCRIPTION: SEQ ID NO: 11:

RESULT 5
 US-09-101-272G-95
 Query Match Score 18.8; DB 4; Length 624;
 Best Local Similarity 90.9%; Prod. No. 12;
 Matches 20; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;
 SEQ ID NO: 5 CTGGAAGCTGCCAGTGTCCCT 26
 DB 233 CTGAACTGTGCCACTGTCCCT 254

RESULT 5
 US-08-254-922-1
 Sequence 1, Application US/08254922
 Patent No. 5626841
 GENERAL INFORMATION:
 APPLICANT: Nissin Food Products Co., Ltd.
 TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
 FILE REFERENCE: Q5979
 CURRENT APPLICATION NUMBER: US/09/101-272G
 CURRENT FILING DATE: 1998-07-08
 PRIOR APPLICATION NUMBER: JP 1059/1996
 PRIOR FILING DATE: 1996-01-08
 NUMBER OF SEQ ID NOS: 107
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 95
 LENGTH: 645
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE: OTHER INFORMATION: ATFHI-CL chimeric protein
 NAME/KEY: CDS
 LOCATION: (12)..(614)
 OTHER INFORMATION:
 NAME/KEY: mat_peptide
 LOCATION: (15)..()
 OTHER INFORMATION:
 US-09-101-272G-95

Query Match Score 18.8; DB 4; Length 645;
 Best Local Similarity 90.9%; Prod. No. 12;
 Matches 20; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

SEQ ID NO: 5 CTGGAAGCTGCCAGTGTCCCT 26
 DB 233 CTGAACTGTGCCACTGTCCCT 254

RESULT 6
 US-09-101-272G-97
 Sequence 97, Application US/09101272G
 Patent No. 6509445
 GENERAL INFORMATION:
 APPLICANT: Nissin Food Products Co., Ltd.
 TITLE OF INVENTION: CANCEROUS METASTASIS INHIBITOR
 FILE REFERENCE: Q5979
 CURRENT APPLICATION NUMBER: US/09/101-272G
 CURRENT FILING DATE: 1998-07-08
 PRIOR APPLICATION NUMBER: JP 1059/1996
 PRIOR FILING DATE: 1996-01-08
 NUMBER OF SEQ ID NOS: 107
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 97
 LENGTH: 666
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: ATFHI-ML chimeric protein
 NAME/KEY: CDS
 LOCATION: (12)..(635)
 OTHER INFORMATION:

RESULT 8
 US-08-286-748B-1
 Sequence 1, Application US/08286748B
 Patent No. 5759542

Query Match Score 18.8; DB 4; Length 666;
 Best Local Similarity 90.9%; Prod. No. 12;
 Matches 20; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

SEQ ID NO: 5 CTGAAAGTGTCCAGTGTCCCT 26
 DB 219 CTGAACTGTGCCACTGTCCCT 240

Query Match Score 18.8; DB 1; Length 1233;
 Best Local Similarity 90.9%; Prod. No. 14;
 Matches 20; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Query Match Score 18.8; DB 1; Length 1233;
 Best Local Similarity 90.9%; Prod. No. 14;
 Matches 20; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Query Match Score 18.8; DB 1; Length 1233;
 Best Local Similarity 90.9%; Prod. No. 14;
 Matches 20; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

Query Match Score 18.8; DB 1; Length 1233;
 Best Local Similarity 90.9%; Prod. No. 14;
 Matches 20; Conservative 0; Mismatches 2;
 Indels 0; Gaps 0;

GENERAL INFORMATION:
 APPLICANT: Victor Gurewich
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DELIVERY OF DRUGS BY PLATELETS FOR THE TREATMENT OF CARDIOVASCULAR AND OTHER DISEASES
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02110-2804

COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 MB
 COMPUTER: IBM PS/2 Model 502 or 55SX
 OPERATING SYSTEM: MS-DOS (Version 5.0)
 SOFTWARE: WordPerfect (Version 5.1)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/286,748B
 FILING DATE: August 5, 1994
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: J. Peter Fasse
 REGISTRATION NUMBER: 32,983
 REFERENCE/DOCKET NUMBER: 04547/013001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 542-5070
 TELEFAX: (617) 542-8906
 TELEX: 200154
 SEQUENCE FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1233
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 -08-286-748B-1

Query Match 72.3%; Score 16.8; DB 1; Length 1233;
 Best Local Similarity 90.9%; Pred. No. 14;
 Matches 20; Conservative 0; Mismatches 2; Indels 0;

5	CTGGAAGTGTGCCAGGTGTCCTT	26
219	CTGAACTGTCCACTGTCCTT	240

RESULT 9
 Sequence 7, Application US/07957039A
 Patent No. 5385538

GENERAL INFORMATION:
 APPLICANT: TANABE, TOSHIZUMI
 APPLICANT: MORITA, MASANORI
 APPLICANT: HIROSE, YASAKI
 APPLICANT: AMASUJI, YASUO
 TITLE OF INVENTION: MUTANT HUMAN PROUROKINASE
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
 STREET: 210 Pennsylvania Avenue
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20037

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOCS-MS-DOS
 SOFTWARE: Paragon Packer #1.0
 Version 41 25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/957,039A
 FILING DATE: 06-OCT-1992
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: JP 289257/1991
 FILING DATE: 07-OCT-1991
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 293-7060
 TELEFAX: (202) 293-7860
 TELEX: 649103

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
 LENGTH: 1236 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: both
 MOLECULE TYPE: DNA (genomic)

ORIGINAL SOURCE:
 INDIVIDUAL ISOLATE: human

FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..1233

US-07-957-039A-7

Query Match Score 18
 Best Local Similarity 72.3%; Pred. No 0; Mismat 0;
 Matches 20; Conservative 0;

Qy	5 CTGGAACTCTGCCAGTGTCTT 26
Db	219 CTGGAACTCTGCCACTGTCTT 240

RESULT 10
 US-08-153-799-17
 Sequence 17, Application US/08153799
 Patent No. 5766883

GENERAL INFORMATION:
 APPLICANT: Ballance, David J
 ATTORNEY: Goodey, Andrew R
 TITLE OF INVENTION: Polypeptides
 NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:
 ADDRESSEE: R Hain Swope, BOC Health
 STREET: 100 Mountain Avenue
 CITY: Murray Hill
 STATE: New Jersey
 ZIP: 07974

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Ver
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/153,799
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/847975
 FILING DATE: 06-MAR-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 8909916.2
 FILING DATE: 29-APR-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/GB90/00650
 FILING DATE: 26-APR-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/775952
 FILING DATE: 29-OCT-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Swope, R Hain

REGISTRATION NUMBER: 24864
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (908) 665 2400
 TELEX: (908) 771 6159
 INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1236 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..1236
 OTHER INFORMATION: /function= "human mature
 OTHER INFORMATION: urokinase-type plasminogen activator (uPA)"
 FEATURE:
 NAME/KEY: primer_bind
 LOCATION: 13..47
 OTHER INFORMATION: /standard_name= "PCR primer binding
 OTHER INFORMATION: site"
 FEATURE:
 NAME/KEY: primer_bind
 LOCATION: 376..418
 OTHER INFORMATION: /standard_name= "PCR primer binding
 OTHER INFORMATION: site"
 US-08-153-799-17

Query Match Score 18.8; DB 1; Length 1236;
 Best Local Similarity 90.9%; Pred. No. 14;
 Matches 20; Conservative 0; Gaps 0;
 Qy 5 CTGGAAGCTGCCAGTGCCTT 26
 Db 219 CTGGAACCTGCCACTGTCCCT 240

RESULT 11
 US-09-023-655-927
 ; Sequence 927, Application US/09023655
 ; Patent No. 6601879
 GENERAL INFORMATION:
 APPLICANT: Cocks, Benjamin G.
 APPLICANT: Susan G. Stuetz
 APPLICANT: Jeffrey J. Seihamer
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
 TITLE OF INVENTION: EXPRESSION
 NUMBER OF SEQUENCES: 1508
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 STREET: 3174 PORTER DRIVE
 CITY: PALO ALTO
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/023,655
 FILING DATE: HEREWITH
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:

CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Zeller, Karen J.
 REGISTRATION NUMBER: 37,071
 REFERENCE/DOCKET NUMBER: PA-0001 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 855-0555
 TELEX: (650) 845-4166
 INFORMATION FOR SEQ ID NO: 927:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1236 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLONE: 91311467
 US-09-023-655-927

Query Match Score 18.8; DB 4; Length 1236;
 Best Local Similarity 90.9%; Pred. No. 14;
 Matches 20; Conservative 0; Gaps 0;
 Qy 5 CTGAAAGTGTGCCAGTGCCTT 26
 Db 219 CTGAACTTGCCACTGTCCCT 240

RESULT 12
 5219569-1
 ; Patent No. 5219569
 ; APPLICANT: BLABER, MICHAEL HEYNKER, HERBERT L.; VEHR,
 ; GORDON A.
 ; TITLE OF INVENTION: PROTEASE RESISTANT UROKINASE
 ; NUMBER OF SEQUENCES: 6
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/7666, 858
 ; FILING DATE: 16 AUG-1985
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 725,468
 ; FILING DATE: 22 APR-1985
 ; SEQ ID NO: 1;
 ; LENGTH: 1372
 ; 5219569-1

Query Match Score 18.8; DB 6; Length 1372;
 Best Local Similarity 90.9%; Pred. No. 14;
 Matches 20; Conservative 0; Gaps 0;
 Qy 5 CTGAAAGTGTGCCAGTGCCTT 26
 Db 355 CTGAACTTGCCACTGTCCCT 376

RESULT 13
 US-09-643-597-122
 ; Sequence 122, Application US/09643597
 ; Patent No. 6426012
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: Pan, Liqun
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Barbur, Chaitanya S.
 ; APPLICANT: Hosten, Nancy
 ; APPLICANT: Farner, Gary R.
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeky, Yasir A.W.
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: McNeill, Patricia D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF LONG CANCER
 ; FILE REFERENCE: 210121.45C11

US-09-542-615A-122

CURRENT APPLICATION NUMBER: US/09/643,597
CURRENT FILING DATE: 2000-08-21
NUMBER OF SEQ ID NOS: 369
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 122
LENGTH: 1475
TYPE: DNA
ORGANISM: Homo sapien
US-09-643-597-122

Query Match 72.3%; Score 18.8; DB 4; Length 1475;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CTGGAAGTCTGCCAGTGTCTT 26
Db 359 CTGGAACTCTGCCACTGTCTT 380

Search completed: July 24, 2004, 23:36:03
Job time : 4.65787 secs

RESULT 14

US-09-480-884A-122
Sequence 122, Application US/09480884A
PATENT No. 6448597
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Hosken, Nancy A.
APPLICANT: Kalos, Michael D.
APPLICANT: Panger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
FILE REFERENCE: 210121.455C6
CURRENT APPLICATION NUMBER: US/09/480,884A
CURRENT FILING DATE: 2001-08-27
NUMBER OF SEQ ID NOS: 330
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 122
LENGTH: 1475
TYPE: DNA
ORGANISM: Homo sapien
US-09-480-884A-122

Query Match 72.3%; Score 18.8; DB 4; Length 1475;
Best Local Similarity 90.9%; Pred. No. 14;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 5 CTGGAAGTCTGCCAGTGTCTT 26
Db 359 CTGGAACTCTGCCACTGTCTT 380

RESULT 15

US-09-542-615A-122
Sequence 122, Application US/09542615A
PATENT No. 6518256
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Fan, Liqun
APPLICANT: Kalos, Michael D.
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Hosken, Nancy A.
APPLICANT: Panger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
FILE REFERENCE: 210121.455C8
CURRENT APPLICATION NUMBER: US/09/542,615A
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 350
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 122
LENGTH: 1475
TYPE: DNA
ORGANISM: Homo sapien

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model
Run on: July 24, 2004, 20:04:06 ; Search time 21.0951 Seconds
(without alignments)
6024.889 Million cell updates/sec

Title: US-09-939-853A-141
Perfect score: 26
Sequence: 1 ccttcgttggaaagtgcgtccgtttt 26
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 3216467 seqs, 2444149694 residues
Total number of hits satisfying chosen parameters: 6432934
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:
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 2: /cggn2_6/ptodata/1/pubna/bcr_new_pub.seq:
 3: /cggn2_6/ptodata/1/pubna/us06_PUBCOMB.seq:
 4: /cggn2_6/ptodata/1/pubna/us07_NEW_PUB.seq:
 5: /cggn2_6/ptodata/1/pubna/us07_PUBCOMB.seq:
 6: /cggn2_5/ptodata/1/pubna/pctus_PUBCOMB.seq:
 7: /cggn2_6/ptodata/1/pubna/us08_NEW_PUB.seq:
 8: /cggn2_6/ptodata/1/pubna/us08_PUBCOMB.seq:
 9: /cggn2_6/ptodata/1/pubna/us09_A_PUBCOMB.seq:
 10: /cggn2_6/ptodata/1/pubna/us09_B_PUBCOMB.seq:
 11: /cggn2_6/ptodata/1/pubna/us09_C_PUBCOMB.seq:
 12: /cggn2_6/ptodata/1/pubna/us09_NEW_PUB.seq:
 13: /cggn2_6/ptodata/1/pubna/us09_NEW_PUB.seq:
 14: /cggn2_6/ptodata/1/pubna/us10A_PUBCOMB.seq:
 15: /cggn2_6/ptodata/1/pubna/us10B_PUBCOMB.seq:
 16: /cggn2_6/ptodata/1/pubna/us10C_PUBCOMB.seq:
 17: /cggn2_6/ptodata/1/pubna/us10_NEW_PUB.seq:
 18: /cggn2_6/ptodata/1/pubna/us60_NEW_PUB.seq:
 19: /cggn2_6/ptodata/1/pubna/us60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	100.0	26	13 US-09-939-853A-141	Sequence 141, App
C 2	26	100.0	444	9 US-09-867-550-951	Sequence 951, App
C 3	26	100.0	763	9 US-09-867-550-953	Sequence 951, App
C 4	26	100.0	864	10 US-09-814-353-21302	Sequence 21302, A
C 5	26	100.0	1183	13 US-09-939-853A-74	Sequence 74, App
6	26	100.0	1183	13 US-09-939-853A-76	Sequence 76, App
7	20.4	78.5	611	13 US-10-027-632-195852	Sequence 195852,
8	20.4	78.5	611	16 US-10-027-632-195852	Sequence 195852,
C 9	9	20.2	77.7	2826	17 US-10-437-963-60613
10	18.8	72.3	258	13 US-10-424-199-2	Sequence 2, App
11	18.8	72.3	258	13 US-10-424-999-6	Sequence 8, App
12	18.8	72.3	258	13 US-10-424-999-B	Sequence 2, App
13	18.8	72.3	258	16 US-10-233-675A-2	Sequence 6, App
14	18.8	72.3	258	16 US-10-233-675A-6	Sequence 6, App

ALIGNMENTS

RESULT 1
 US-09-939-853A-141
 Sequence 141, Application US/09939853A
 Publication No. US20040039163A1
 / GENERAL INFORMATION:
 / APPLICANT: BURGESS et al.
 / TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
 / FILE REFERENCE: 21402-099
 / CURRENT APPLICATION NUMBER: US/09/939, 853A
 / CURRENT FILING DATE: 2001-08-27
 / PRIOR APPLICATION NUMBER: 60/228, 191
 / PRIOR FILING DATE: 2000-03-25
 / PRIOR APPLICATION NUMBER: 60/267, 300
 / PRIOR FILING DATE: 2001-02-08
 / PRIOR APPLICATION NUMBER: 60/269, 961
 / PRIOR FILING DATE: 2001-02-20
 / PRIOR APPLICATION NUMBER: 60/277, 337
 / PRIOR FILING DATE: 2001-03-20
 / NUMBER OF SEQ ID NOS: 159
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO: 141
 / LENGTH: 26
 / TYPE: DNA
 / ORGANISM: Artificial Sequence
 / FEATURE:
 / OTHER INFORMATION: Description of Artificial Sequence:
 US-09-939-853A-141
 Query March Best Local Similarity Score 26; Length 26;
 Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 2
US-09-867-550-951/c
; Sequence 951, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1. Polymucleotides from Atherogenic Cells and FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 951
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
; SEQ ID NO: 09-867-550-951

Query Match Score 26; DB 9; Length 444;
Best Local Similarity 100.0%; Pred. No. 0.016; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTCTGGAAAGTCGCCACTGTCCTT 26
Db 35 CCTCTGGAAAGTCGCCAGTGCCCTT 10

RESULT 3
US-09-867-550-953/c
; Sequence 953, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1. Polymucleotides from Atherogenic Cells and FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USN 60/208,427
; NUMBER OF SEQ ID NOS: 2125
; SEQ ID NO: 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
; SEQ ID NO: 09-867-550-953

Query Match Score 26; DB 9; Length 763;
Best Local Similarity 100.0%; Pred. No. 0.016; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTCTGGAAAGTCGCCAGTGCCCTT 26
Db 164 CCTCTGGAAAGTCGCCAGTGCCCTT 139

RESULT 4
US-09-814-353-21302/c
; Sequence 21302, Application US/09814353
; Publication No. US2003016583A1
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND TREATMENT OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 21302

; LENGTH: 864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 32, 862, 863, 864
; OTHER INFORMATION: n = A,T,C or G
; US-09-814-353-21302

Query Match Score 100.0%; Score 26; DB 10; Length 864;
Best Local Similarity 100.0%; Pred. No. 0.016; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTCTGGAAAGTCGCCAGTGCCCTT 26
Db 328 CCTCTGGAAAGTCGCCAGTGCCCTT 303

RESULT 5
US-09-939-853A-74/c
; Sequence 74, Application US/09939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939, 853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/142-099
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269, 961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-939-853A-74

Query Match Score 100.0%; Score 26; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.016; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTCTGGAAAGTCGCCAGTGCCCTT 26
Db 164 CCTCTGGAAAGTCGCCAGTGCCCTT 139

RESULT 6
 US-09-939-853A-76
 Sequence 76, Application US/0939853A
 Publication No. US20040039163A1
 GENERAL INFORMATION:
 APPLICANT: Burgess et al.
 TITLE OF INVENTION: Nucleic Acids Encoding Same
 FILE REFERENCE: 21402-099
 CURRENT APPLICATION NUMBER: US/09/939,853A
 PRIOR FILING DATE: 2001-08-27
 PRIOR APPLICATION NUMBER: 60/228,191
 PRIOR APPLICATION NUMBER: 60/267,300
 PRIOR FILING DATE: 2001-04-08
 PRIOR APPLICATION NUMBER: 60/269,961
 PRIOR FILING DATE: 2001-02-00
 PRIOR APPLICATION NUMBER: 60/277,337
 PRIOR FILING DATE: 2001-03-20
 NUMBER OF SEQ ID NOS: 159
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 76
 LENGTH: 1183
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-939-853A-76

Query Match 100.0%; Score 26; DB 13; Length 1183;
 Best Local Similarity 100.0%; Pred. No. 0.016;
 Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCTTCCTGAAAGTCGCCAGTGTCCCT 26
 Db 908 CCTCTGGAAAGTCGCCAGTGTCCCT 933

RESULT 7
 US-10-027-632-195852
 Sequence 195852, Application US/10027632
 Publication No. US20040198371A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 Title of Invention: Polymorphisms in the Human Genome
 FILE REFERENCE: 108837-129
 CURRENT APPLICATION NUMBER: US 10/027,632
 PRIOR FILING DATE: 2000-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-14
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 195852
 LENGTH: 611
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-195852

RESULT 8
 US-10-027-632-195852
 Sequence 195852, Application US/10027632
 Publication No. US20040198371A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 Title of Invention: Polymorphisms in the Human Genome
 FILE REFERENCE: 108837-129
 CURRENT APPLICATION NUMBER: US 10/027,632
 PRIOR FILING DATE: 2000-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-14
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 195852
 LENGTH: 611
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-195852

RESULT 9
 US-10-437-963-60613/C
 Sequence 60613, Application US/10437963
 Publication No. US2004123343A1
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovacic, David K.
 APPLICANT: Zhou, Yihua
 APPLICANT: Cao, Yongwei
 APPLICANT: Wu, Wei
 APPLICANT: Boukharov, Andrey A.
 APPLICANT: Barbozuk, Brad
 APPLICANT: Li, Ping
 TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
 Title of Invention: Plants and Uses Thereof for Plant Improvements
 FILE REFERENCE: 38-21/53221B
 CURRENT APPLICATION NUMBER: US/10/437,963
 CURRENT FILING DATE: 2003-05-14
 NUMBER OF SEQ ID NOS: 204966
 SEQ ID NO 60613
 LENGTH: 2826
 TYPE: DNA

;

;

ORGANISM: *Oryza sativa*

FEATURE:

OTHER INFORMATION: Clone ID: PAT_MRT4510_62122C.1

US-10-437-963-60613

Query Match 77.7%; Score 20.7; DB 17; Length 2826;

Best Local Similarity 88.0%; Pred. No. 10; Indels 0; Gaps 0;

Matches 22; Conservative 0; Mismatches 3;

Qy 2 CTTCTGGAACTCTGCCAGTGTCCCT 26

Db 2386 CTTCGGAGCTGCACTGGTCCCT 2362

RESULT 10

US-10-424-999-2

Sequence 2, Application US/10424999

Publication No. US20040052810A1

GENERAL INFORMATION:

APPLICANT: Nesbit, Mark

ATTORNEY: Cameron, Beatrice

Blanche, Francis

TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for Using Them to Inhibit Angiogenesis

FILE REFERENCE: ST01037-A

CURRENT APPLICATION NUMBER: US/10/424,999

PRIOR APPLICATION NUMBER: 2003-04-29

PRIOR FILING DATE: 2002-09-04

NUMBER OF SEQ ID NOS: 70

SOFTWARE: PatentIn version 3.2

SEQ ID NO: 8

LENGTH: 258

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Human abrogen D43 and L74

US-10-424-999-8

Query Match 72.3%; Score 18.8; DB 13; Length 258;

Best Local Similarity 90.9%; Pred. No. 43; Indels 0; Gaps 0;

Matches 20; Conservative 0; Mismatches 2;

Qy 5 CTGGAACTCTGCCAGTGTCCCT 26

Db 78 CTGGAACTCTGCCAGTGTCCCT 99

RESULT 11

US-10-424-999-6

Sequence 6, Application US/10424999

Publication No. US20040052810A1

GENERAL INFORMATION:

APPLICANT: Nesbit, Mark

ATTORNEY: Cameron, Beatrice

Blanche, Francis

TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for Using Them to Inhibit Angiogenesis

FILE REFERENCE: ST01037-A

CURRENT APPLICATION NUMBER: US/10/424,999

PRIOR APPLICATION NUMBER: 2003-04-29

PRIOR FILING DATE: 2002-09-04

NUMBER OF SEQ ID NOS: 70

SOFTWARE: PatentIn version 3.2

SEQ ID NO: 6

LENGTH: 258

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Human abrogen D43

US-10-424-999-6

Query Match 72.3%; Score 18.8; DB 16; Length 258;

Best Local Similarity 90.9%; Pred. No. 43; Indels 0; Gaps 0;

Matches 20; Conservative 0; Mismatches 2;

Qy 5 CTGGAACTCTGCCAGTGTCCCT 26

Job time : 22.0951 secs

RESULT 14
US-10-233-675A-6
Sequence 6, Application US/10233675A
Publication No. US20030228298A1
GENERAL INFORMATION:
APPLICANT: Fong, Timothy
APPLICANT: Nesbit, Mark
TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
FILE REFERENCE: ST01-027
CURRENT APPLICATION NUMBER: US/10/233,675A
PRIORITY FILING DATE: 2002-09-04
PRIOR APPLICATION NUMBER: 60/316,300
PRIOR FILING DATE: 2001-09-04
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 6
LENGTH: 258
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: human derived abrogen
US-10-233-675A-6

Query Match Score 18.8; DB 16; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGAAAGTCGCCAGTGTCTT 26
Db 78 CTGAAACTCTGCCACTGTCTT 99

Db 78 CTGAAACTCTGCCACTGTCTT 99

RESULT 15
US-10-233-675A-8
Sequence 8, Application US/10233675A
Publication No. US20030228298A1
GENERAL INFORMATION:
APPLICANT: Nesbit, Mark
APPLICANT: Fong, Timothy
APPLICANT: Brockstedt, Dirk
TITLE OF INVENTION: Abrogen Polypeptides, Nucleic Acids Encoding Them and Methods for
FILE REFERENCE: ST01-027
CURRENT APPLICATION NUMBER: US/10/233,675A
PRIORITY FILING DATE: 2002-09-04
PRIOR APPLICATION NUMBER: 60/316,300
PRIOR FILING DATE: 2001-09-04
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 8
LENGTH: 258
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: human derived abrogen
US-10-233-675A-8

Query Match Score 18.8; DB 16; Length 258;
Best Local Similarity 90.9%; Pred. No. 43;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 CTGAAAGTCGCCAGTGTCTT 26
Db 78 CTGAAACTCTGCCACTGTCTT 99



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Om nucleic - nucleic search, using sw model

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(without alignments)

Scoring table: IDENTITY_NUC GapOp 10_0 , Gapext 1.0

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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 5: /con2_6_ptodata/2/ina/PCTUS_COMBO.seq:
 6: /egn2_6_ptodata/2/ina/backfile1.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	17.2	78.2	1245	4 US-09-489-039A-3698	Sequence 3698, Ap
2	16.4	74.5	1273	3 US-09-489-039A-3698	Sequence 3, Appli
3	16.4	74.5	1373	3 US-09-489-039A-3698	Sequence 1, Appli
C 4	16.2	73.6	618	4 US-09-489-039A-3698	Sequence 788, App
5	16.2	73.6	2713	2 US-09-489-039A-3698	Sequence 6, Appli
6	15.8	71.8	274	4 US-09-489-039A-3698	Sequence 5461, Ap
C 7	15.8	71.8	283	4 US-09-489-039A-3698	Sequence 4815, Ap
C 8	15.8	71.8	288	4 US-09-489-039A-3698	Sequence 809, Ap
C 9	15.8	71.8	288	4 US-09-489-039A-3698	Sequence 2911, Ap
C 10	15.8	71.8	835	4 US-09-489-039A-3698	Sequence 1328, Ap
11	15.8	71.8	2061	4 US-09-489-039A-3698	Sequence 7, Appli
12	15.8	71.8	2109	4 US-09-489-039A-3698	Sequence 5, Appli
13	15.8	71.8	2172	4 US-09-489-039A-3698	Sequence 3, Appli
14	15.8	71.8	2220	4 US-09-489-039A-3698	Sequence 1, Appli
15	15.8	71.8	2353	4 US-09-489-039A-3698	Sequence 2, Appli
16	15.8	71.8	2806	4 US-09-489-039A-3698	Sequence 9, Appli
17	15.8	71.8	3138	4 US-09-489-039A-3698	Sequence 16, Appli
C 18	15.8	71.8	291	4 US-09-489-039A-3698	Sequence 6747, Ap
20	15.6	70.9	331	4 US-09-489-039A-3698	Sequence 11814, A
21	15.6	70.9	331	4 US-09-489-039A-3698	Sequence 11984, A
22	15.6	70.9	344	4 US-09-489-039A-3698	Sequence 12361, A
23	15.6	70.9	7400	1 US-09-489-039A-3698	Sequence 13537, A
24	15.6	70.9	7400	1 US-09-489-039A-3698	Sequence 1, Appli
25	15.6	70.9	7400	3 US-09-489-039A-3698	Sequence 1, Appli
26	15.6	70.9	7400	3 US-09-489-039A-3698	Sequence 3, Appli
27	15.6	70.9	9573	4 US-09-489-039A-3698	Sequence 168, App

ALIGNMENTS

RESULT 1
US-09-489-039A-3698
; Sequence 3698, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709 2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; PRIORITY FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 2000-01-27
; PRIORITY NUMBER: 1999-01-29
; SEQ ID NO: 3698
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
; US-09-489-039A-3698

Query Match 78.2%; Score 17.2%; DB 4; Length 1245;
Best Local Similarity 86.4%; Pred. No. 30;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TGAGCAGTCTGGGTGTCCTA 22
Db 800 TGAGGATTCTGGATGTTCCTA 821

RESULT 2
US-09-725-758A-3
; Sequence 3, Application US/08725758A
; Patent No. 6160108
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy
; APPLICANT: Clement, Christophe Y.
; TITLE OF INVENTION: NOVEL PLATELET ACTIVATION PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSSQ Version 2.0

CURRENT APPLICATION DATA:
 APPLICANT NUMBER: US/08/725,758A
 FILING DATE: 04-OCT-1996
 PRIORITY APPLICATION DATA:
 APPLICANT NUMBER: 60/005,074
 FILING DATE: 06-OCT-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Fraser, Janis K.
 REGISTRATION NUMBER: 34,819
 REFERENCE/DOCKET NUMBER: 05433/020001
 TELEPHONE: 617-542-5070
 TELEX: 200154-8906
 INFORMATION FOR SEQ ID NO: 3 :
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1273 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: Coding Sequence
 LOCATION: 44...1273
 3-08-725-758A-3

RESULT 3
 Query Match 74.5%; Score 16.4%; DB 3; Length 1273;
 Best Local Similarity 94.4%; Pred. No. 71;
 Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 SEQ / 1 TGAGGAGTCTGGGTGT 18
 Db 372 TGAGGAGTCCGGGTGT 389

3-08-725-758A-3

RESULT 3
 Query Match 74.5%; Score 16.4%; DB 3; Length 1373;
 Best Local Similarity 94.4%; Pred. No. 72;
 Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 SEQ / 1 TGAGGAGTCTGGGTGT 18
 Db 372 TGAGGAGTCCGGGTGT 389

RESULT 4
 US-09-621-976-788/C
 Sequence 788, Application US/09621976
 ; Patent No. 663903
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.B.
 ; APPLICANT: Jobert, S.
 ; APPLICANT: Giordano, J.Y.
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 ; FILE REFERENCE: ENSET 054 PR2
 ; CURRENT APPLICATION NUMBER: US/09/621,976
 ; CURRENT FILING DATE: 2000-07-21
 ; NUMBER OF SEQ ID NOS: 19335
 ; SEQ ID NO 788
 ; LENGTH: 618
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 306..617
 US-09-621-976-788

RESULT 5
 US-08-916-901-6
 Sequence 6, Application US/08916901
 ; Patent No. 5892012
 ; GENERAL INFORMATION:
 ; APPLICANT: Hallman, Jennifer L.
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Shah, Purvi
 ; TITLE OF INVENTION: RAB PROTEINS
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Dr.
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/725,758A
 FILING DATE: 06-OCT-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/005,074
 FILING DATE: 06-OCT-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Fraser, Janis K.
 REGISTRATION NUMBER: 34,819
 REFERENCE/DOCKET NUMBER: 05433/020001
 TELEPHONE: 617-542-5070
 TELEX: 200154-8906
 INFORMATION FOR SEQ ID NO: 1 :
 LENGTH: 1373 base pairs

```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/915,901
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36 749
REFERENCE/DOCKET NUMBER: PP-0367 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
SEQUENCE CHARACTERISTICS:
LENGTH: 2713 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-216-901-6

Query Match          73.6%; Score 16.2; DB 2; Length 2713;
Best Local Similarity 85.7%; Pred. No. 96;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy      1 TGAGAGAGTTCTGGTGTCT 21
Db      2401 TGAGAGAGTTCTGGTGTCT 2421

RESULT 7
US-09-313-294A-5461/C
Query Match          73.6%; Score 16.2; DB 2; Length 2713;
Best Local Similarity 85.7%; Pred. No. 96;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy      1 TGAGAGAGTTCTGGTGTCT 21
Db      2401 TGAGAGAGTTCTGGTGTCT 2421

TELEPHONE: 415-855-0555
REGISTRATION NUMBER: 36 749
REFERENCE/DOCKET NUMBER: PP-0367 US
TELECOMMUNICATION INFORMATION:
TOPOLOGY: linear
US-08-216-901-6

Query Match          73.6%; Score 16.2; DB 2; Length 2713;
Best Local Similarity 85.7%; Pred. No. 96;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy      1 TGAGAGAGTTCTGGTGTCT 21
Db      2401 TGAGAGAGTTCTGGTGTCT 2421

RESULT 6
US-09-154-602-6
Query Match          73.6%; Score 16.2; DB 2; Length 2713;
Best Local Similarity 85.7%; Pred. No. 96;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy      1 TGAGAGAGTTCTGGTGTCT 21
Db      2401 TGAGAGAGTTCTGGTGTCT 2421

CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/154,602
FILING DATE:
PRIORITY APPLICATION NUMBER: 08/916,901
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36 749
REFERENCE/DOCKET NUMBER: PP-0367 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 2713 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-154-602-6

Query Match          73.6%; Score 16.2; DB 2; Length 2713;
Best Local Similarity 85.7%; Pred. No. 96;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy      1 TGAGAGAGTTCTGGTGTCT 21
Db      2401 TGAGAGAGTTCTGGTGTCT 2421

RESULT 7
US-09-313-294A-5461/C
Query Match          73.6%; Score 16.2; DB 2; Length 2713;
Best Local Similarity 85.7%; Pred. No. 96;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy      1 TGAGAGAGTTCTGGTGTCT 21
Db      2401 TGAGAGAGTTCTGGTGTCT 2421

OTHER INFORMATION: Incyte ID No. 6476212 700350185H1
US-09-313-294A-5461

Query Match          71.8%; Score 15.8; DB 4; Length 274;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy      1 TGAGAGAGTTCTGGTGTCT 19
Db      36 TGATAGAGTTCTGGTGGC 18

RESULT 8
US-09-313-294A-4815/C
Query Match          71.8%; Score 15.8; DB 4; Length 274;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy      1 TGAGAGAGTTCTGGTGTCT 19
Db      36 TGATAGAGTTCTGGTGGC 18

OTHER INFORMATION: Incyte ID No. 6476212 700349077H1
US-09-313-294A-4815

Query Match          71.8%; Score 15.8; DB 4; Length 283;
Best Local Similarity 89.5%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy      1 TGAGAGAGTTCTGGTGTCT 19

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| RESULT 9
| Sequence 809, Application US/09313294A
| Patent No. 6476212
| GENERAL INFORMATION:
| APPLICANT: Lalquid, Raghunath V.
| APPLICANT: Ito, Laura Y.
| APPLICANT: Sherman, Bradley K.
| TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
| CURRENT FILING DATE: 1999-05-14
| NUMBER OF SEQ ID NOS: 7600
| SOFTWARE: PERL Program
| SEQ ID NO 809
| LENGTH: 288
| TYPE: DNA
| ORGANISM: Zea mays
| FEATURE:
| NAME/KEY: misc feature
| OTHER INFORMATION: Incyte ID No. 6476212 700543871H1
| US-09-313-294A-809

Query Match    71.8%; Score 15.8; DB 4; Length 28;
Best Local Similarity 89.5%; Prd. No. 1..2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Delins 0; Insertions 0; Gaps 0;

Qy   1 TGAGAGACTCTGGTGC 19
Db   287 TGATAGACTCTGGTGC 269

| RESULT 10
| Sequence 2911, Application US/09313294A
| Patent No. 6476212
| GENERAL INFORMATION:
| APPLICANT: Lalquid, Raghunath V.
| APPLICANT: Ito, Laura Y.
| APPLICANT: Sherman, Bradley K.
| TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
| CURRENT FILING DATE: 1999-05-14
| NUMBER OF SEQ ID NOS: 7600
| SOFTWARE: PERL Program
| LENGTH: 288
| TYPE: DNA
| ORGANISM: Zea mays
| FEATURE:
| NAME/KEY: misc feature
| OTHER INFORMATION: Incyte ID No. 6476212 700553476H1
| US-09-313-294A-2911

Query Match    71.8%; Score 15.8; DB 4; Length 28;
Best Local Similarity 89.5%; Prd. No. 1..2e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Delins 0; Insertions 0; Gaps 0;

Qy   1 TGAGAGACTCTGGTGC 19
Db   260 TGATAGACTCTGGTGC 242

| RESULT 11
| Sequence 1328, Application US/09833381
| Patent No. 6672186
| GENERAL INFORMATION:
| APPLICANT: Lalquid, Raghunath V.
| APPLICANT: Ito, Laura Y.
| APPLICANT: Sherman, Bradley K.
| TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
| CURRENT FILING DATE: 2000-02-29
| NUMBER OF SEQ ID NOS: 2050
| SOFTWARE: Fast-SEQ for Windows Version 3.0
| SEQ ID NO 1328
| LENGTH: 835
| TYPE: DNA
| ORGANISM: Homo sapiens
| US-09-833-1328

Query Match    71.8%; Score 15.8; DB 4; Length 835;
Best Local Similarity 89.5%; Prd. No. 1..3e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Delins 0; Insertions 0; Gaps 0;

Qy   3 AGAGAGTCTGGTGTCT 21
Db   755 AGACAGTCTGGTGTCT 773

| RESULT 12
| Sequence 7, Application US/096538339
| Patent No. 64313153
| GENERAL INFORMATION:
| APPLICANT: Donoho, Gregory
| APPLICANT: Turner, C. Alexander Jr.
| APPLICANT: Nehls, Michael
| APPLICANT: Friedrich, Glenn
| APPLICANT: Zambowicz, Brian
| APPLICANT: Sands, Arthur T.
| TITLE OF INVENTION: No. 64313153 Human Calcium Dependent Proteases
| TITLE OF INVENTION: and Polynucleotides Encoding the Same
| FILE REFERENCE: LEX-0018-USA
| CURRENT APPLICATION NUMBER: US/09/653,839
| CURRENT FILING DATE: 2000-09-01
| PRIOR APPLICATION NUMBER: US 60/152,057
| PRIOR FILING DATE: 1999-09-02
| NUMBER OF SEQ ID NOS: 9
| SOFTWARE: Fast-SEQ for Windows Version 4.0
| SEQ ID NO 7
| LENGTH: 2061
| TYPE: DNA
| ORGANISM: homo sapiens
| US-09-653-839-7

Query Match    71.8%; Score 15.8; DB 4; Length 2061;
Best Local Similarity 89.5%; Prd. No. 1..4e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Delins 0; Insertions 0; Gaps 0;

Qy   4 GGAGGTTCTGGTGTCTA 22
Db   956 GGGAGTTCTGGTGTCTA 974

| RESULT 13
| Sequence 5, Application US/096538339
| Patent No. 64313153
| GENERAL INFORMATION:
| APPLICANT: Donoho, Gregory
| APPLICANT: Turner, C. Alexander Jr.
| APPLICANT: Nehls, Michael
| APPLICANT: Friedrich, Glenn
| APPLICANT: Zambowicz, Brian
| APPLICANT: Sands, Arthur T.
| TITLE OF INVENTION: No. 64313153 Human Calcium Dependent Proteases
| TITLE OF INVENTION: and Polynucleotides Encoding the Same
| FILE REFERENCE: LEX-0018-USA
| CURRENT APPLICATION NUMBER: US/096538339
| CURRENT FILING DATE: 2000-09-01
| PRIOR APPLICATION NUMBER: US 60/152,057
| PRIOR FILING DATE: 1999-09-02
| NUMBER OF SEQ ID NOS: 9
| SOFTWARE: Fast-SEQ for Windows Version 4.0
| SEQ ID NO 7
| LENGTH: 2061
| TYPE: DNA
| ORGANISM: homo sapiens
| US-09-653-839-5

Query Match    71.8%; Score 15.8; DB 4; Length 2061;
Best Local Similarity 89.5%; Prd. No. 1..4e+02; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 2; Delins 0; Insertions 0; Gaps 0;

Qy   4 GGAGGTTCTGGTGTCTA 22
Db   956 GGGAGTTCTGGTGTCTA 974

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; CURRENT APPLICATION NUMBER: US/09/653,839
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/152,057
; PRIOR FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2109
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-653-839-5

Query Match 71.8%; Score 15.8; DB 4; Length 2109;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GAGAGTTCTGGGTGTCCTA 22
Db 956 GGGAGTTCTGGATGTCCTA 974

Search completed: July 24, 2004, 23:36:04
Job time : 4.09512 secs

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RESULT 14
US-09-653-839-3
; Sequence 3, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: Human Calcium Dependent Proteases
; AND Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0038-USA
CURRENT APPLICATION NUMBER: US/09/653,839
CURRENT FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: US 60/152,057
PRIOR FILING DATE: 1999-09-02
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 2172
TYPE: DNA
ORGANISM: homo sapiens
US-09-653-839-3

Query Match 71.8%; Score 15.8; DB 4; Length 2172;
Best Local Similarity 89.5%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GAGAGTTCTGGGTGTCCTA 22
Db 1067 GGGAGTTCTGGATGTCCTA 1085

```

```

RESULT 15
US-09-653-839-1
; Sequence 1, Application US/09653839
; Patent No. 6433153
; GENERAL INFORMATION:
; APPLICANT: Donoho, Gregory
; APPLICANT: Turner, C. Alexander Jr.
; APPLICANT: Nehls, Michael
; APPLICANT: Friedrich, Glenn
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sands, Arthur T.
; TITLE OF INVENTION: Human Calcium Dependent Proteases
; AND Polynucleotides Encoding the Same
; FILE REFERENCE: LEX-0038-USA
CURRENT APPLICATION NUMBER: US/09/653,839
CURRENT FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: US 60/152,057

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Result No.	Score	Query Match	Length	DB ID	Description	
1	22	100.0	22	13	US-09-939-853A-142 Sequence 142, App	
2	22	100.0	864	10	US-09-939-853A-21302 Sequence 21302, A	
3	22	100.0	1183	13	US-09-939-853A-74 Sequence 74, App	
C	4	22	100.0	1183	13	US-09-939-853A-76 Sequence 76, App
C	5	20.4	92.7	763	9	US-09-867-550-953 Sequence 953, App
C	6	17.8	80.9	2064	17	US-10-104-26A-1342 Sequence 1342, App
7	17.8	80.9	57347	17	US-10-932-281-317 Sequence 317, App	
8	17.4	79.1	2442	13	US-10-336-472-121 Sequence 121, App	
9	17.4	79.1	2446	16	US-10-050-334-85 Sequence 85, App	
10	17.4	79.1	2466	16	US-10-159-563-396 Sequence 396, App	
11	17.4	79.1	2469	13	US-10-336-472-123 Sequence 123, App	
12	17.4	79.1	2789	16	US-10-274-639-22 Sequence 22, App	
13	17.4	79.1	2789	17	US-10-333-574-22 Sequence 22, App	
14	17.4	79.1	3327	13	US-10-116-802-87 Sequence 87, App	

RESULT 2
US-09-814-353-213Q2
; Sequence 213Q2, Application US/09814353
; GENERAL INFORMATION:
; APPLICANT: Lee, John
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 213Q2
; LENGTH: 664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 32, 862, 863, 864
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-213Q2

Query Match 100.0%; Score 22; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.46%; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGAGGAGTCTGGGTGCTCA 22
Db 224 TGAGGAGTCTGGGTGCTCA 245

RESULT 3
US-09-939-853A-74
; Sequence 74, Application US/09939853A
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 214Q2-099
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NO: 159
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-76

Query Match 100.0%; Score 22; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.46%; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGAGGAGTCTGGGTGCTCA 22
Db 960 TGAGGAGTCTGGGTGCTCA 939

RESULT 4
US-09-939-853A-76/C
; Sequence 76, Application US/09939853A
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 214Q2-099
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NO: 159
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 76
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-76

Query Match 100.0%; Score 22; DB 13; Length 1183;
Best Local Similarity 100.0%; Pred. No. 0.46%; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGAGGAGTCTGGGTGCTCA 22
Db 960 TGAGGAGTCTGGGTGCTCA 939

RESULT 5
US-09-867-550-953
; Sequence 953, Application US/09867550
; GENERAL INFORMATION:
; Parent No. US20020082206A1
; APPLICANT: Leach, Martin D.
; APPLICANT: Meirabar, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and Their Use
; FILE REFERENCE: 214Q2-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: US/09/867,550
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 953
; LENGTH: 763
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-953

Query Match 92.7%; Score 20.4; DB 9; Length 763;
Best Local Similarity 95.5%; Pred. No. 2.8%; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TGAGGAGTCTGGGTGCTCA 297
Db 276 TGAGGAGTCTGGGTGCTCA 297

RESULT 6
US-09-939-853A-74
; Sequence 74, Application US/09939853A
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 214Q2-099
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIOR APPLICATION NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NO: 159
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 74
; LENGTH: 1183
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-853A-74

Qy 1 TGAGAGAGTCTGGGTGTCCTA 22
 Db 112 TGAGAGAGTCTGGGTGTCCTA 133

RESULT 6
 US-10-108-260A-1362/c
 ; Sequence 1162, Application US/10108260A
 ; GENERAL INFORMATION;
 ; APPLICANT: HELIX RESEARCH INSTITUTE
 ; TITLE OF INVENTION: NO. US20040005560A1 full length cDNA
 ; FILE REFERENCE: HL-A106
 ; CURRENT FILING DATE: 2002-03-27
 ; NUMBER OF SEQ ID NOS: 5458
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 1362
 ; LENGTH: 2064
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-108-260A-1362

Query Match Score 17.8; DB 16; Length 2064;
 Best Local Similarity 90.5%; Pred. No. 54;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TGAGAGAGTCTGGGTGTCCT 21
 Db 159 TGAGAGAGTCTGGGTGTCCT 139

RESULT 7
 US-10-322-281-317
 ; Sequence 317, Application US/10322281
 ; Publication No. US2004128762A1
 ; GENERAL INFORMATION;
 ; APPLICANT: David W. Morris
 ; APPLICANT: Marc S. Malandro
 ; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
 ; FILE REFERENCE: 529452001000
 ; CURRENT APPLICATION NUMBER: US/10/322,281
 ; CURRENT FILING DATE: 2002-12-17
 ; NUMBER OF SEQ ID NOS: 866
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 317
 ; LENGTH: 57347
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)..(57347)
 ; OTHER INFORMATION: n = A,T,C or G
 US-10-322-281-317

Query Match Score 17.8; DB 17; Length 57347;
 Best Local Similarity 90.5%; Pred. No. 54;
 Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TGAGAGAGTCTGGGTGTCCT 21
 Db 19344 TGAGAGAGTCTGGGTGTCCT 19364

RESULT 8
 US-10-336-472-121
 ; Sequence 121, Application US/10336472
 ; Publication No. US20040043929A1
 ; GENERAL INFORMATION;
 ; APPLICANT: Anderson, David W.
 ; APPLICANT: Ballinger, Robert A.
 ; APPLICANT: Baumgartner, Jason C.

Query Match 79.1%; Score 17.4; DB 13; Length 2442;
 Best Local Similarity 94.7%; Prd. No. 86; Gaps 0;
 Matches 18; Conservative 0; Mismatches 1; Indels 0;
 SEQ ID NO: 85
 LENGTH: 2442
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-080-334-85

Query Match 79.1%; Score 17.4; DB 16; Length 2442;
 Best Local Similarity 94.7%; Prd. No. 86; Gaps 0;
 Matches 18; Conservative 0; Mismatches 1; Indels 0;
 SEQ ID NO: 86
 LENGTH: 2442
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-080-334-85

RESULT 9
 US-10-080-334-85
 ; Sequence 85, Application US/10080334
 ; GENERAL INFORMATION:
 ; Publication No. US2014000258441
 ; APPLICANT:
 ; APPLICANT: Shimkets, Richard A.
 ; APPLICANT: Li, Li
 ; APPLICANT: Shenoy, Suresh G
 ; APPLICANT: Kekuda, Ramesh
 ; APPLICANT: Spyrek, Kimberly A.
 ; APPLICANT: Vernet, Corine A. M.
 ; APPLICANT: Malyankar, Uriel M.
 ; APPLICANT: Guo, Xiaojia
 ; APPLICANT: Gusev, Vladimir Y
 ; APPLICANT: Casman, Stacie J
 ; APPLICANT: Boldog, Ferenc L
 ; APPLICANT: Furtak, Katarzyna T
 ; APPLICANT: Tchernev, Velizar T
 ; APPLICANT: Patturajan, Meera
 ; APPLICANT: Gangolli, Esha A.
 ; APPLICANT: Padigaru, Muralidhara
 ; APPLICANT: Lau, Xiaohong
 ; APPLICANT: Baumgartner, Jason C.
 ; APPLICANT: Gerlach, Valerie
 ; APPLICANT: Spaderna, Steven K
 ; APPLICANT: Zethusen, Bryan D
 ; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
 ; FILE REFERENCE: 21442-275
 ; CURRENT APPLICATION NUMBER: US/10/080,334
 ; CURRENT FILING DATE: 2002-02-21
 ; PRIOR APPLICATION NUMBER: 60/270,523
 ; PRIOR FILING DATE: 2001-02-21
 ; PRIOR APPLICATION NUMBER: 60/322,712
 ; PRIOR FILING DATE: 2001-09-17
 ; PRIOR APPLICATION NUMBER: 60/311,980
 ; PRIOR FILING DATE: 2001-08-13
 ; PRIOR APPLICATION NUMBER: 60/330,307
 ; PRIOR FILING DATE: 2001-10-18
 ; PRIOR APPLICATION NUMBER: 60/278,796
 ; PRIOR FILING DATE: 2001-03-26
 ; PRIOR APPLICATION NUMBER: 60/281,521
 ; PRIOR FILING DATE: 2001-04-04
 ; PRIOR APPLICATION NUMBER: 60/276,677
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/311,595
 ; PRIOR FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: 60/270,220
 ; PRIOR FILING DATE: 2001-02-21
 ; PRIOR APPLICATION NUMBER: 60/274,295
 ; PRIOR FILING DATE: 2001-03-08
 ; PRIOR APPLICATION NUMBER: 60/318,526
 ; PRIOR FILING DATE: 2001-09-10
 ; PRIOR APPLICATION NUMBER: 60/286,548
 ; PRIOR FILING DATE: 2001-04-25
 ; PRIOR FILING DATE: 2001-05-17
 ; PRIOR APPLICATION NUMBER: 60/270,797
 ; PRIOR FILING DATE: 2001-02-23
 ; PRIOR APPLICATION NUMBER: 60/276,400
 ; PRIOR FILING DATE: 2001-03-16
 ; PRIOR APPLICATION NUMBER: 60/270,810
 ; PRIOR FILING DATE: 2001-02-23

RESULT 10
 US-10-159-563-396
 ; Sequence 396, Application US/10159563
 ; Publication No. US20040005154A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Khan, Javed
 ; APPLICANT: Ringner, Markus
 ; APPLICANT: Peterson, Carsten
 ; APPLICANT: Meltzer, Paul
 ; APPLICANT: Boenigk, Stephan
 ; TITLE OF INVENTION: SELECTIONS OF GENES AND METHODS OF USING THE SAME FOR
 ; TITLE OF INVENTION: DIAGNOSTICS AND FOR TARGETING THE THERAPY OF SELECT CANCERS
 ; CURRENT APPLICATION NUMBER: US/10/159,563
 ; CURRENT FILING DATE: 2002-12-09
 ; PRIOR APPLICATION NUMBER: US/10/133,937
 ; PRIOR FILING DATE: 2002-04-25
 ; NUMBER OF SEQ ID NOS: 444
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 396
 ; LENGTH: 2466
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-159-563-396

Query Match 79.1%; Score 17.4; DB 16; Length 2466;
 Best Local Similarity 94.7%; Prd. No. 86; Gaps 0;
 Matches 18; Conservative 0; Mismatches 1; Indels 0;
 SEQ ID NO: 86
 LENGTH: 2466
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-159-563-396

RESULT 11
 US-10-336-472-123
 ; Sequence 123, Application US/10336472
 ; Publication No. US2004004392A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Anderson, David W.
 ; APPLICANT: Ballinger, Robert A.
 ; APPLICANT: Baumgartner, Jason C.
 ; APPLICANT: Burgess, Catherine E.
 ; APPLICANT: Casman, Stacie J.
 ; APPLICANT: Chant, John S.
 ; APPLICANT: Berghs, Constance
 ; APPLICANT: Gangolli, Esha A.
 ; APPLICANT: Edinger, Shlonit R.
 ; APPLICANT: Ellerman, Karen
 ; APPLICANT: Furtak, Katarzyna
 ; APPLICANT: Gerlach, Valerie
 ; APPLICANT: Gilbert, Jennifer A.
 ; APPLICANT: Gunther, Erik
 ; APPLICANT: Gorman, Linda
 ; APPLICANT: Guo, Xiachia Sasha
 ; APPLICANT: Ji, Weizhen
 ; APPLICANT: Li, Li

APPLICANT: Liu, Xiaohong
 APPLICANT: Miller, Charles E.
 APPLICANT: Millet, Isabelle
 APPLICANT: Padigaru, Muralidhar
 APPLICANT: Patterson, Meera
 APPLICANT: Rastelli, Luca
 APPLICANT: MacDouall, John R.
 APPLICANT: Mishra, Vishnu
 APPLICANT: Pena, Carol B.A.
 APPLICANT: Spaderia, Steven K.
 APPLICANT: Smithson, Richard A.
 APPLICANT: Sneyd, Kimberly A.
 APPLICANT: Stone, David J.
 APPLICANT: Shenoy, Suresh G.
 APPLICANT: Oct, Tatiana
 APPLICANT: Taupier Jr, Raymond J.
 APPLICANT: Tchernav, Velizar T.
 APPLICANT: Vernet, Corine A.M.
 APPLICANT: Wolenc, Adam R.
 APPLICANT: Zerhusen, Bryan D.
 APPLICANT: Zhong, Mei

TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
 FILE REFERENCE: 21402-533C
 CURRENT APPLICATION NUMBER: US/10/336,472
 CURRENT FILING DATE: 2003-01-03
 PRIOR APPLICATION NUMBER: 09/746,491
 PRIOR FILING DATE: 2000-12-20
 PRIOR APPLICATION NUMBER: 10/005,041
 PRIOR FILING DATE: 2001-12-04
 PRIOR APPLICATION NUMBER: 10/023,681
 PRIOR FILING DATE: 2001-12-18
 PRIOR APPLICATION NUMBER: 10/024,212
 PRIOR FILING DATE: 2001-12-18
 PRIOR APPLICATION NUMBER: 10/055,569
 PRIOR FILING DATE: 2001-10-26
 PRIOR APPLICATION NUMBER: 10/080,334
 PRIOR FILING DATE: 2002-02-21
 PRIOR APPLICATION NUMBER: 10/092,900
 PRIOR FILING DATE: 2002-03-07
 PRIOR APPLICATION NUMBER: 10/136,826
 PRIOR FILING DATE: 2002-05-01
 PRIOR APPLICATION NUMBER: 10/236,417
 PRIOR APPLICATION NUMBER: 60/345,092
 PRIOR FILING DATE: 2002-01-04
 Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 210
 SOFTWARE: CuraSeqList version 0.1
 SEQ ID NO: 123
 LENGTH: 2469
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: NAME/KEY: CDS
 LOCATION: (1)...(2463)
 US-10-336-472-123

Query Match 79.1% Score 17.4; DB 13; Length 2469;
 Best Local Similarity 94.7%; Pred. No. 86; Mismatches 1; Indels 0; Gaps 0;

QY 4 GAGGTTCTGGTGTCCTA 22
 Arvizu, Chanda S.; TRIBOLEY, Catherine M.
 Db 1184 GAGGTTCTGGATCTCCTA 1202

RESULT 12
 US-10-336-472-123
 Sequence 22, Application US/10274639
 ; Sequence 22, Application US/10232349A1
 ; Publication No. US20030232349A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE GENOMICS, INC.

APPLICANT: DELGEANE, Angelo M.; GANDHI, Ameena R.
 APPLICANT: HAFILIA, April J.A.; LIU, Dyung Aina M.
 APPLICANT: PATTERSON, Chandre; TRIBOLEY, Catherine M.
 APPLICANT: DAS, Debopriya; KALICK, Deborah A.
 APPLICANT: NGUYEN, Dannie B.; LEE, Ernestine A.
 APPLICANT: KHAN, Farrah A.; YUE, Henry
 APPLICANT: AU-YOUNG, Janice K.; GRIFFIN, Jennifer A.
 APPLICANT: POLICKY, Jennifer L.; RAMKUMAR, Jayalaxmi
 APPLICANT: YANG, Junning; THANGAVEJU, Kavitha
 APPLICANT: DING, Li; KEARNEY, Liam
 APPLICANT: AZIMZAI, Valda; LU, Yan
 APPLICANT: BAUGHN, Mariah R.; BOROWSKY, Mark L.
 APPLICANT: SANJANWALA, Madhusudan M.; YAO, Monique G.
 APPLICANT: BURFORD, Neila; WALIA, Narinder K.
 APPLICANT: LAL, Preet G.; LEE, Sally
 APPLICANT: TODD, Stephen; LO, Terence P.
 APPLICANT: TANG, Y. Tom; ELLIOTT, Vicki S.
 APPLICANT: AZIMZAI, Valda; LU, Yan
 TITLE OF INVENTION: PROTEASES
 FILE REFERENCE: PI-0167 USA
 CURRENT APPLICATION NUMBER: US/10/274,639
 CURRENT FILING DATE: 2004-10-18
 PRIOR APPLICATION NUMBER: PCT/US01/22397
 PRIOR FILING DATE: 2001-07-17
 PRIOR APPLICATION NUMBER: US 60/220,063
 PRIOR FILING DATE: 2000-07-21
 PRIOR APPLICATION NUMBER: US 60/221,680
 PRIOR FILING DATE: 2000-07-28
 PRIOR APPLICATION NUMBER: US 60/223,544
 PRIOR FILING DATE: 2000-08-04
 PRIOR APPLICATION NUMBER: US 60/224,717
 PRIOR FILING DATE: 2000-08-11
 PRIOR APPLICATION NUMBER: US 60/225,988
 PRIOR FILING DATE: 2000-08-16
 PRIOR APPLICATION NUMBER: US 60/227,568
 PRIOR FILING DATE: 2000-08-23
 NUMBER OF SEQ ID NOS: 42
 SOFTWARE: PERL Program
 SEQ ID NO: 22
 LENGTH: 2759
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 OTHER INFORMATION: Incyte ID No. US20030232349A1 5155802CB1
 US-10-274-639-22

Query Match 79.1% Score 17.4; DB 16; Length 2789;
 Best Local Similarity 94.7%; Pred. No. 86; Mismatches 0; Indels 0; Gaps 0;

QY 4 GAGGTTCTGGTGTCCTA 22
 Arvizu, Chanda S.; TRIBOLEY, Catherine M.
 Db 1342 GAGGTTCTGGATCTCCTA 1360

RESULT 13
 US-10-333-574-22
 Sequence 22, Application US/10333574
 ; Publication No. US20040091962A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE GENOMICS, INC.
 ; APPLICANT: DELGEANE, Angelo M.; GANDHI, Ameena R.
 ; APPLICANT: HAFILIA, April J.A.; LIU, Dyung Aina M.
 ; APPLICANT: ARVIZU, Chanda S.; TRIBOLEY, Catherine M.
 ; APPLICANT: DAS, Debopriya; KALICK, Deborah A.
 ; APPLICANT: NGUYEN, Dannie B.; LEE, Ernestine A.
 ; APPLICANT: KHAN, Farrah A.; YUE, Henry
 ; APPLICANT: AU-YOUNG, Janice K.; GRIFFIN, Jennifer A.
 ; APPLICANT: POLICKY, Jennifer L.; RAMKUMAR, Jayalaxmi
 ; APPLICANT: YANG, Junning; THANGAVEJU, Kavitha
 ; APPLICANT: DING, Li; KEARNEY, Liam
 ; APPLICANT: BAUGHN, Mariah R.; BOROWSKY, Mark L.
 ; APPLICANT: SANJANWALA, Madhusudan M.; YAO, Monique G.

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RESULT 15
US-10-027-632-284738 ; Application US/10027632
; Sequence 284738, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: PI-167 USN
; CURRENT APPLICATION NUMBER: US/10/333,574
; CURRENT FILING DATE: 2003-01-21
; PRIORITY NUMBER: US 01/22397
; PRIOR APPLICATION NUMBER: US 60/220,063
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 60/221,680
; PRIOR FILING DATE: 2000-07-21
; PRIOR APPLICATION NUMBER: US 60/223,544
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/224,717
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/225,988
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 60/227,566
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NO: 42
; SOFTWARE: PERL Program
; SEQ ID NO: 22
; LENGTH: 2789
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 5155802CB1
US-10-333-574-22

Query Match 79.1%; Score 17.4; DB 17; Length 2789;
Best Local Similarity 94.7%; Pred. No. 86; Indels 0; Gaps 0;
Matches 18; Conservative 0; Mismatches 1; Indexes 0; Gaps 0;

Qy 4 GAGAGTCGGGTCTCCA 22
Db 1342 GAGAGTCGGATGTCCTA 1360

RESULT 14
US-10-116-802-87
; Sequence 87, Application US/10116802
; Publication No. US2003005157A1
; GENERAL INFORMATION:
; APPLICANT: Amy Lasek
; TITLE OF INVENTION: GENES EXPRESSED IN LUNG CANCER
; FILE REFERENCE: PA-0045-US
; CURRENT APPLICATION NUMBER: US/10/116,802
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: 60/281,593
; PRIOR FILING DATE: 2001-04-04
; NUMBER OF SEQ ID NO: 519
; SOFTWARE: PERL Program
; SEQ ID NO: 87
; LENGTH: 3327
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 453004.32
US-10-116-802-87

Query Match 79.1%; Score 17.4; DB 13; Length 3327;
Best Local Similarity 94.7%; Pred. No. 86; Mismatches 1; Indexes 0; Gaps 0;

Qy 4 GAGAGTCGGGTCTCCA 22
Db 1486 GAGAGTCGGATGTCCTA 1504

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw mode!

Run on: July 24, 2004, 23:33:06 ; Search time 103 Seconds

(without alignments)

6373.853 Million cell updates/sec

Title: US-09-939-853A-74

Perfect score: 1183

Sequence: 1 agcttagtcggatccccc.....tcttttgatgtatgcctag 1183

Scoring table: Oligo_NTC

GapOp=60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 300 summaries

Database : Issued_Patents_NA:*

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4: /cgcn2_6_ptodata/2/ina/6B_COMB.seq:*
5: /cgcn2_6_ptodata/2/ina/PCTUS.COMB.seq:*
6: /cgcn2_6_ptodata/2/ina/backfile.seq:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

Result No.	Score	Query Match	Length	DB ID	Description
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2	20	1.7	675	1 US-08-707-792A-3	Sequence 3, Appli
3	20	1.7	675	1 US-08-707-792A-3	Sequence 3, Appli
4	20	1.7	2129	4 US-09-016-434-1452	Sequence 1452, Ap
5	19	1.6	786431	4 US-09-751-389-3	Sequence 3, Appli
6	19	1.6	1467	4 US-09-591-182-2	Sequence 2, Appli
7	19	1.6	1548	4 US-09-098-053-1	Sequence 1, Appli
8	19	1.6	2771	4 US-09-016-434-1101	Sequence 1101, Ap
9	18	1.5	1438	3 US-09-18-331-4	Sequence 4, Appli
10	18	1.5	1438	4 US-09-47-946-4	Sequence 4, Appli
11	18	1.5	1669	3 US-09-318-448-8	Sequence 8, Appli
c 12	18	1.5	3090	3 US-09-676-531-78	Sequence 78, Appli
13	18	1.4	70000	4 US-09-851-896-3	Sequence 3, Appli
c 14	17	1.4	2791	4 US-09-016-434-1101	Sequence 1101, Ap
c 15	17	1.4	351	4 US-08-822-897C-1	Sequence 1, Appli
c 16	17	1.4	351	4 US-09-608-810A-3	Sequence 3, Appli
c 17	17	1.4	351	4 US-09-404-417A-1	Sequence 1, Appli
c 18	17	1.4	435	4 US-09-25-991A-6817	Sequence 6817, Ap
19	17	1.4	439	4 US-09-22-575-172	Sequence 3, Appli
20	17	1.4	439	4 US-09-38-681-172	Sequence 172, Appli
21	17	1.4	439	4 US-09-620-405B-172	Sequence 172, Appli
22	17	1.4	439	4 US-09-333-172	Sequence 172, Appli
23	17	1.4	439	4 US-09-43-826-172	Sequence 172, Appli
24	17	1.4	439	4 US-09-60-227A-172	Sequence 172, Appli
25	17	1.4	439	4 US-09-28-480-172	Sequence 172, Appli
26	17	1.4	439	4 US-09-83-759-172	Sequence 172, Appli
27	17	1.4	445	4 US-09-702-705-1598	Sequence 1598, Ap

28	17	1.4	445	4 US-09-736-457-1598	Sequence 1598, Ap
29	17	1.4	445	4 US-09-114-124B-1598	Sequence 1598, Ap
30	17	1.4	445	4 US-09-671-325-1598	Sequence 10, Appli
31	17	1.4	541	4 US-09-220-332-10	Sequence 1574, Ap
c 32	17	1.4	566	4 US-09-522-976-1074	Sequence 1086, Ap
c 33	17	1.4	627	4 US-09-528-332-1086	Sequence 1262, Ap
c 34	17	1.4	643	4 US-09-633-331-1262	Sequence 1255, Ap
c 35	17	1.4	651	4 US-09-016-334-1255	Sequence 87, Appli
c 36	17	1.4	674	4 US-09-621-916-87	Sequence 5493, Ap
c 37	17	1.4	759	4 US-09-480-039A-5493	Sequence 1, Appli
c 38	17	1.4	894	4 US-09-134-334-1	Sequence 89, Appli
c 39	17	1.4	941	4 US-09-634-338-89	Sequence 1, Appli
c 40	17	1.4	1089	1 US-08-154-915-1	Sequence 37, Appli
c 41	17	1.4	1089	2 US-08-246-616A-37	Sequence 6975, Ap
c 42	17	1.4	1089	3 US-08-463-772-37	Sequence 6727, Ap
c 43	17	1.4	1089	4 US-09-252-991A-727	Sequence 2, Appli
c 44	17	1.4	1089	5 PCT-US3-0945-1	Sequence 54, Appli
c 45	17	1.4	1747	4 US-09-166-321-66	Sequence 2, Appli
c 46	17	1.4	1748	3 US-08-765-089C-1	Sequence 5, Appli
c 47	17	1.4	1748	5 PCT-US5-07855-1	Sequence 6767, Ap
c 48	17	1.4	1953	4 US-09-252-991A-975	Sequence 6, Appli
c 49	17	1.4	2118	4 US-09-252-991A-727	Sequence 6, Appli
c 50	17	1.4	2180	2 US-08-755-559-2	Sequence 2, Appli
c 51	17	1.4	2180	3 US-09-210-074-2	Sequence 2, Appli
c 52	17	1.4	2648	4 US-09-537-337-5	Sequence 5, Appli
c 53	17	1.4	2666	4 US-09-556-921-3	Sequence 6, Appli
c 54	17	1.4	2874	3 US-09-179-158-54	Sequence 54, Appli
c 55	17	1.4	2874	4 US-09-722-825-54	Sequence 54, Appli
c 56	17	1.4	2874	4 US-09-722-877-54	Sequence 54, Appli
c 57	17	1.4	2874	4 US-09-722-877-54	Sequence 54, Appli
c 58	17	1.4	2874	4 US-09-722-877-54	Sequence 54, Appli
c 59	17	1.4	2874	4 US-09-722-877-54	Sequence 54, Appli
c 60	17	1.4	3059	3 US-09-179-558-61	Sequence 61, Appli
c 61	17	1.4	3059	4 US-09-722-877-61	Sequence 61, Appli
c 62	17	1.4	3059	4 US-09-722-877-61	Sequence 61, Appli
c 63	17	1.4	4139	4 US-09-620-112D-149	Sequence 61, Appli
c 64	17	1.4	8802	3 US-08-896-649A-1	Sequence 1, Appli
c 65	17	1.4	8802	3 US-09-132-652-1	Sequence 1, Appli
c 66	17	1.4	9440	4 US-09-534-638-1	Sequence 61, Appli
c 67	17	1.4	9440	4 US-09-453-702B-52	Sequence 62, Appli
c 68	17	1.4	94403765	3 US-09-103-840A-2	Sequence 2, Appli
c 69	17	1.4	4411529	3 US-09-103-840A-1	Sequence 1, Appli
c 70	17	1.4	4411529	3 US-09-140-417A-8	Sequence 8, Appli
c 71	16	1.4	211	4 US-09-602-877A-93	Sequence 93, Appli
c 72	16	1.4	265	3 US-09-071-710-9	Sequence 9, Appli
c 73	16	1.4	265	3 US-09-525-397-9	Sequence 9, Appli
c 74	16	1.4	278	4 US-09-525-397-9	Sequence 16412, A
c 75	16	1.4	283	4 US-09-621-976-16442	Sequence 3534, Ap
c 76	16	1.4	288	3 US-09-313-294A-1534	Sequence 10, Appli
c 77	16	1.4	288	3 US-09-071-710-10	Sequence 18404, A
c 78	16	1.4	310	1 US-08-235-838-9	Sequence 3397, Ap
c 79	16	1.4	310	2 US-08-465-473B-9	Sequence 21, Appli
c 80	16	1.4	321	2 US-08-888-366-21	Sequence 62, Appli
c 81	16	1.4	321	2 US-08-888-381-378	Sequence 62, Appli
c 82	16	1.4	352	4 US-09-641-638-433	Sequence 433, Ap
c 83	16	1.4	352	4 US-09-641-638-433	Sequence 360, Ap
c 84	16	1.4	391	4 US-09-621-976-18404	Sequence 208, Ap
c 85	16	1.4	399	4 US-09-489-039A-3397	Sequence 10684, A
c 86	16	1.4	399	4 US-09-564-976-1604	Sequence 2590, Ap
c 87	16	1.4	423	3 US-08-479-285-62	Sequence 1532, Ap
c 88	16	1.4	423	3 US-08-479-285-62	Sequence 491, Ap
c 89	16	1.4	423	4 US-09-042-353-560	Sequence 1119, A
c 90	16	1.4	439	4 US-09-758-417A-208	Sequence 12620, A
c 91	16	1.4	439	4 US-09-621-976-1604	Sequence 9984, Ap
c 92	16	1.4	480	4 US-09-621-976-1604	Sequence 11241, A

c 101	1.6	748	1	US-08-235-838-10	Sequence 10, App1	174	16	1.4	2662	4	US-08-323-430-14
c 102	1.6	748	2	US-08-465-B-10	Sequence 11, App1	175	16	1.4	2733	1	US-08-371-001-14
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c 104	1.6	772	3	US-09-020-956-11	Sequence 11, App1	177	16	1.4	2859	2	US-08-506-340A-2
c 105	1.6	772	4	US-09-607-11	Sequence 11, App1	178	16	1.4	2864	4	US-09-409-180A-2
c 106	1.6	772	4	US-09-439-313-11	Sequence 11, App1	179	16	1.4	2872	4	US-09-327-487A-2
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c 108	1.6	772	4	US-09-232-149A-11	Sequence 11, App1	181	16	1.4	2904	4	US-09-685-166A-703
c 109	1.6	772	4	US-09-159-812-11	Sequence 11, App1	182	16	1.4	3146	4	US-09-620-312D-277
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c 111	1.6	772	4	US-09-685-166A-11	Sequence 11, App1	184	16	1.4	3410	4	US-09-030-607-110
c 112	1.6	772	4	US-09-115-453-11	Sequence 11, App1	185	16	1.4	3410	4	US-09-439-313-110
c 113	1.6	772	4	US-09-688-489-11	Sequence 11, App1	186	16	1.4	3410	4	US-09-602-877A-100
c 114	1.6	819	3	US-08-792-019B-4	Sequence 4, App1	187	16	1.4	3410	4	US-09-602-877A-100
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c 116	1.6	819	3	US-09-010-534-4	Sequence 4, App1	189	16	1.4	3410	4	US-09-159-812-110
c 117	1.6	847	1	US-08-053-131-184	Sequence 184, App1	190	16	1.4	3410	4	US-09-636-215-110
c 118	1.6	847	1	US-08-096-762-184	Sequence 184, App1	191	16	1.4	3410	4	US-09-685-166A-110
c 119	1.6	847	3	US-09-042-353-47	Sequence 47, App1	192	16	1.4	3410	4	US-09-115-452-110
c 120	1.6	908	3	US-08-758-417-312	Sequence 312, App1	193	16	1.4	3410	4	US-09-688-489-110
c 121	1.6	908	3	US-08-718-388-1	Sequence 1, App1	194	16	1.4	3524	4	US-09-077-940A-3
c 122	1.6	909	4	US-09-540-236-1829	Sequence 1829, App1	195	16	1.4	3530	3	US-08-704-711A-10
c 123	1.6	924	2	US-08-468-709B-1	Sequence 1, App1	196	16	1.4	3530	4	US-09-521-220-10
c 124	1.6	924	2	US-08-241-664B-1	Sequence 1, App1	197	16	1.4	3831	3	US-09-360-790A-1
c 125	1.6	924	4	US-09-640-173-174	Sequence 47, App1	198	16	1.4	3839	3	US-09-056-105-14
c 126	1.6	924	4	US-09-713-550-174	Sequence 174, App1	199	16	1.4	3931	4	US-09-956-171E-342
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c 128	1.6	927	3	US-09-147-915-2	Sequence 2, App1	201	16	1.4	4034	4	US-09-685-166A-704
c 129	1.6	1065	1	US-08-875-811-56	Sequence 56, App1	202	16	1.4	4394	4	US-09-620-312D-297
c 130	1.6	1125	4	US-09-218-489-1	Sequence 1, App1	203	16	1.4	4394	4	US-08-851-768-58
c 131	1.6	1230	4	US-09-654-120-140	Sequence 665, App1	204	16	1.4	4894	4	US-09-636-215-702
c 132	1.6	1236	3	US-08-718-388-2	Sequence 2, App1	205	16	1.4	4894	4	US-09-685-166A-702
c 133	1.6	1386	4	US-09-252-99A-1489	Sequence 1, App1	207	16	1.4	5330	4	US-09-023-905A-1
c 134	1.6	1572	4	US-09-489-039A-5714	Sequence 5714, App1	208	16	1.4	5430	3	US-09-012-515A-11
c 135	1.6	1639	4	US-09-620-312D-317	Sequence 317, App1	209	16	1.4	5430	3	US-09-360-144A-11
c 136	1.6	1641	4	US-09-328-352-1458	Sequence 1, App1	210	16	1.4	5430	4	US-09-012-504A-11
c 137	1.6	1692	4	US-09-540-236-978	Sequence 978, App1	204	16	1.4	5430	4	US-09-012-399A-11
c 138	1.6	1695	1	US-08-361-920-20	Sequence 20, App1	211	16	1.4	5524	4	US-09-685-166A-702
c 139	1.6	1695	1	US-08-479-939-3	Sequence 1489, App1	212	16	1.4	6822	4	US-09-942-998-3
c 140	1.6	1695	1	US-08-483-432-20	Sequence 20, App1	213	16	1.4	6976	4	US-09-636-215-705
c 141	1.6	1716	4	US-09-74-677-6	Sequence 6, App1	214	16	1.4	6976	4	US-09-685-166A-705
c 142	1.6	1717	1	US-08-468-709B-6	Sequence 1458, App1	215	16	1.4	7653	4	US-09-471-112A-1
c 143	1.6	1717	5	PCT-US93-03936-6	Sequence 978, App1	216	16	1.4	7741	4	US-09-426-998-4
c 144	1.6	1717	5	US-09-732-025-1	Sequence 6, App1	217	16	1.4	7824	3	US-09-718-388-6
c 145	1.6	1770	4	US-09-252-99A-1639	Sequence 1427, App1	218	16	1.4	7824	5	PCT-US95-06722-11
c 146	1.6	1824	4	US-09-016-434-1425	Sequence 3804, App1	219	16	1.4	8285	4	US-09-732-025-3
c 147	1.6	1825	4	US-09-023-655-1061	Sequence 1061, App1	220	16	1.4	8598	4	US-08-305-190B-1
c 148	1.6	1994	4	US-09-252-99A-1687	Sequence 1687, App1	221	16	1.4	9046	5	PCT-US95-04682-1
c 149	1.6	1994	4	US-09-241-664B-6	Sequence 1, App1	222	16	1.4	9046	5	PCT-US95-04682-1
c 150	1.6	1994	4	US-09-732-025-1	Sequence 1, App1	223	16	1.4	11517	3	US-07-920-81C-1
c 151	1.6	1994	4	US-09-252-99A-1639	Sequence 427, App1	224	16	1.4	11517	3	US-08-466-277-1
c 152	1.6	1994	4	US-09-016-434-1425	Sequence 3804, App1	225	16	1.4	11725	2	US-08-756-506-1
c 153	1.6	1994	4	US-09-398-395A-41	Sequence 1061, App1	226	16	1.4	11725	4	US-09-3-73-50-50
c 154	1.6	1994	4	US-09-897-586A-41	Sequence 41, App1	227	16	1.4	11827	4	US-08-327-536-3
c 155	1.6	1994	4	US-09-895-752-41	Sequence 1, App1	228	16	1.4	16382	3	US-08-718-388-8
c 156	1.6	1994	4	US-09-903-012B-41	Sequence 41, App1	229	16	1.4	17407	4	US-09-740-027-3
c 157	1.6	1994	4	US-09-252-99A-1639	Sequence 41, App1	230	16	1.4	34001	4	US-09-596-002-18
c 158	1.6	1994	4	US-09-023-655-1061	Sequence 15, App1	231	16	1.4	51259	3	US-08-781-891-09
c 159	1.6	1994	4	US-09-071-710-15	Sequence 15, App1	232	16	1.4	51259	4	US-09-618-166-209
c 160	1.6	1994	4	US-09-897-586A-41	Sequence 41, App1	233	16	1.4	70000	4	US-09-851-896-3
c 161	1.6	1994	4	US-09-895-752-41	Sequence 15, App1	234	16	1.4	80246	3	US-09-078-294-4
c 162	1.6	1994	4	US-09-903-012B-41	Sequence 41, App1	235	16	1.4	80595	3	US-09-078-294-3
c 163	1.6	1994	4	US-09-252-99A-1639	Sequence 41, App1	236	16	1.4	128779	4	US-09-497-855A-38
c 164	1.6	1994	4	US-09-900-797-41	Sequence 3845, App1	237	16	1.4	269223	3	US-09-596-002-18
c 165	1.6	1994	4	US-09-235-838-15	Sequence 1288, App1	238	16	1.4	269223	4	US-09-557-884-1
c 166	1.6	1994	4	US-09-465-473B-15	Sequence 1264, App1	239	16	1.4	1830121	4	US-09-643-990A-1
c 167	1.6	1994	4	US-09-525-397-15	Sequence 2, App1	240	15	1.3	27	3	US-09-253-396A-10
c 168	1.6	2152	3	US-09-525-397-16	Sequence 1, App1	241	15	1.3	28	1	US-08-467-420A-39
c 169	1.6	2152	4	US-09-079-133-2	Sequence 2, App1	242	15	1.3	28	1	US-08-371-010A-39
c 170	1.6	2355	4	US-09-252-99A-1639	Sequence 1, App1	243	15	1.3	28	1	US-08-667-769A-39
c 171	1.6	2355	4	US-09-023-655-1061	Sequence 1, App1	244	15	1.3	28	1	US-08-940-771-39
c 172	1.6	2355	4	US-09-016-434-1264	Sequence 1, App1	245	15	1.3	28	3	US-08-637-647-39
c 173	1.6	2662	2	US-08-451-822A-14	Sequence 14, App1	246	15	1.3	28	1	US-08-451-822A-14

GENERAL INFORMATION:
 APPLICANT: MARY, ALICE
 APPLICANT: SALOME, SCOTT P.
 APPLICANT: WISNIEWSKI, DOUGLAS
 TITLE OF INVENTION: A HIGH THROUGHPUT ASSAY USING
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merck & Co., Inc.
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.
 CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07045-0900
 CURRENT APPLICATION DATA:
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 APPLICATION NUMBER: US/08/707,792A
 FILING DATE: 04-SEP-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Camara, Valerie J
 REGISTRATION NUMBER: 35,090
 REFERENCE/DOCKET NUMBER: 19524
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 908-594-3902
 TELEFAX: 908-594-4720
 TELEX:
 US-08-707-792A-3
 SEQUENCE CHARACTERISTICS:
 LENGTH: 675 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Genomic DNA

Query Match 1.7%; Score 20; DB 1; Length 675;
 Best Local Similarity 100.0%; Pred. No. 4;
 Matches 20; Conservative 0; Mismatches 0; Gaps 0;
 SEQ ID NO: 1490
 NUMBER OF SEQUENCES: 1490
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
 PATHWAY GENE EXPRESSION

RESULT 4
 US-09-016-434-1452
 ; Sequence 1452, Application US/09016434
 ; Patent No. 650938
 GENERAL INFORMATION:
 APPLICANT: Jeffrey J. Sellhamer
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
 PATHWAY GENE EXPRESSION

CORRESPONDENCE ADDRESS:
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 STREET: 3174 PORTER DRIVE
 CITY: PALO ALTO
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 94104

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

RESULT 5
 US-09-751-388-3
 ; Sequence 3, Application US/09751389
 ; Patent No. 663334
 GENERAL INFORMATION:
 ; APPLICANT: GUGLER, Karl et al
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEAR PROTEINS, AND USES
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS,
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: CH-001067
 ; CURRENT APPLICATION NUMBER: US/09/751,389
 ; CURRENT FILING DATE: 2001-01-02
 ; NUMBER OF SEQ ID NOS: 8
 ; SEQ ID NO: 3
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; LENGTH: 786431
 ; TYPE: DNA
 ; ORGANISM: Human
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)..(786431)
 ; OTHER INFORMATION: n = A,T,C or G

RESULT 6
 US-09-579-182-2
 ; Sequence 2, Application US/09579-182
 ; Patent No. 6500628

Query Match 1.7%; Score 20; DB 4; Length 786431;
 Best Local Similarity 100.0%; Pred. No. 3.7;
 Matches 20; Conservative 0; Mismatches 0; Gaps 0;

Query Match 1.7%; Score 20; DB 4; Length 786431;
 Best Local Similarity 100.0%; Pred. No. 3.7;
 Matches 20; Conservative 0; Mismatches 0; Gaps 0;

GENERAL INFORMATION:
 APPLICANT: Robison, Keith E. NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE AND
 TITLE OF INVENTION: PHOSPHATASE HOMOLOGUES AND USES THEREFOR

FILE REFERENCE: MNI-161
 CURRENT APPLICATION NUMBER: US/09/579,182
 CURRENT FILING DATE: 2000-05-25
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 2
 LENGTH: 1467
 TYPE: DNA
 ORGANISM: Homo sapiens

US-09-579-182-2

Query Match 1.6%; Score 19; DB 4; Length 1548;
 Best Local Similarity 100.0%; Pred. No. 12;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 8
 US-09-016-434-1101
 / Sequence 1101, Application US/09016434
 / GENERAL INFORMATION:
 / APPLICANT: Janice Au-Young
 / Jefferey J. Seilhamer
 / TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
 / NUMBER OF INVENTION: PATHWAY GENE EXPRESSION
 / NUMBER OF SEQUENCES: 1490
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 / STREET: 3114 PORTER DRIVE
 / CITY: PALO ALTO
 / STATE: CALIFORNIA
 / COUNTRY: USA
 / ZIP: 94304
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: FLOPPY disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS 6.2
 / SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/09/016,434
 / FILING DATE: HEREWITHE
 / CLASSIFICATION:
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Zeller, Karen J.
 / REGISTRATION NUMBER: 37,071
 / REFERENCE/DOCKET NUMBER: PA-0002 US
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (650) 855-0555
 / TELEFAX: (650) 845-4166
 / INFORMATION FOR SEQ ID NO: 1101:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 2771 base pairs
 / TYPE: nucleic acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / IMMEDIATE SOURCE:
 / LIBRARY: GENBANK
 / CLONE: 91256002

Query Match 1.6%; Score 19; DB 4; Length 2771;
 Best Local Similarity 100.0%; Pred. No. 12;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 9
 US-09-187-331-4
 / Sequence 4, Application US/09187331
 / GENERAL INFORMATION:
 / APPLICANT: Yue, Henry
 / APPLICANT: Corley, Neil C.

Qy 742 AGGGCCCTTCCTCATCCGG 760
 Db 471 AGGGCCCTTCCTCATCCGG 489

RESULT 7
 US-09-099-053-1
 / Parent 1, Application US/09099053
 / GENERAL INFORMATION:
 / APPLICANT: Greg Ploofman
 / APPLICANT: Susan Onrust
 / APPLICANT: David Markey
 / APPLICANT: Sara Courtneidge
 / TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF
 / NUMBER OF SEQUENCES: 28
 / CORRESPONDENCE ADDRESS:
 / ADDRESSSEE: Lyon & Lyon
 / STREET: 633 West Fifth Street
 / STREET: Suite 4700
 / CITY: Los Angeles
 / STATE: California
 / COUNTRY: U.S.A.
 / ZIP: 90071-2006
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
 / COMPUTER: IBM Compatible
 / OPERATING SYSTEM: IBM P.C. DOS 5.0
 / SOFTWARE: FASSEQ FOR Windows 2.0
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/09/099,053
 / FILING DATE: Herewith
 / CLASSIFICATION:
 / PRIOR APPLICATION DATA:
 / NAME: Watzburg, Richard J.
 / REGISTRATION NUMBER: 32,327
 / REFERENCE/DOCKET NUMBER: 235/121
 / TELEPHONE: (213) 489-1600
 / TELEX: (67) 3510
 / INFORMATION FOR SEQ ID NO: 1:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 1548 base pairs
 / TYPE: nucleic acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / US-09-099-053-1

Qy 585 CTGAGATGGAGACTGGTG 603
 Db 1305 CTGAGATGGAGACTGGTG 1323


```

Qy 1093 GGAGGAGTCTTCTTCAG 1110
Db 398 GGAGGAGTCTTCTTCAG 381

RESULT 13
; Sequence 3 , Application US/09851896
; Patent No. 6410325
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEPENDENT EXPRESSION)
; FILE REFERENCE: RIS-0220
; CURRENT APPLICATION NUMBER: US/09/851,896
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 3
; LENGTH: 70000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: FRT
; SEQ ID NO: 3

Query Match 1.5%; Score 18; DB 4; Length 70000;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Query 455 GTCCAAGGCCAGGGACCT 472
Db 60708 GTCCAAGGCCAGGGACCT 60725

RESULT 14
; Sequence 1 , Application US/09046479
; Patent No. 6391653
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; TITLE OF INVENTION: MOTILIN HOMOLOGS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/046,479
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sawislaw, Deborah A.
; REGISTRATION NUMBER: 37,438
; REFERENCE/DOCKET NUMBER: 97-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6672
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 351 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..351
; OTHER INFORMATION:
; NAME/KEY: sig_peptide
; LOCATION: 1..69
; OTHER INFORMATION:
; NAME/KEY: mat_peptide
; LOCATION: 70..351
; OTHER INFORMATION:
; US-09-046-479-1

Query Match 1.4%; Score 17; DB 3; Length 351;
Best Local Similarity 100.0%; Pred. No. 1..2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Query 296 GTCCAGCCAGAGCATGC 312
Db 57 GTCCAGCCAGAGCATGC 41

RESULT 15
; Sequence 1 , Application US/08822897C
; Patent No. 6380158
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Deisher, Theresa A.
; TITLE OF INVENTION: MOTILIN HOMOLOGS
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,897C
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sawislaw, Deborah A.
; REGISTRATION NUMBER: 37,438
; REFERENCE/DOCKET NUMBER: 97-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6672
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 351 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 1..351

```

OTHER INFORMATION:
 NAME/KEY: sig_Peptide
 LOCATION: 1...69
 OTHER INFORMATION:
 NAME/KEY: mat_Peptide
 LOCATION: 70...351
 OTHER INFORMATION:
 US-08-822-897C-1

Query Match 1.4%; Score 17; DB 4; Length 351;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 296 GTCCAGCCAGGATGC 312
 Db 57 GTCCAGCCAGGATGC 41

SEQ ID NO 3 LENGTH: 351

RESULT 16

US-09-608-810A-3/C
 Sequence 3 Application US/09608810A
 GENERAL INFORMATION:
 PATENT NO. 6420521
 APPLICANT: Sheppard, Paul O.
 Jaspers, Stephen R.
 Deisher, Theresa A.
 BISHOP, Paul D.
 TITLE OF INVENTION: SGIP PEPTIDES
 FILE REFERENCE: 99-51
 CURRENT APPLICATION NUMBER: US/09/608,810A
 CURRENT FILING DATE: 2000-06-30
 PRIOR APPLICATION NUMBER: 60/141,592
 PRIOR FILING DATE: 1999-06-00
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 3 LENGTH: 351

TYPE: DNA ORGANISM: Homo sapiens FEATURE: CDS
 NAME/KEY: (1)...(351)
 LOCATION: (1)...(69)
 NAME/KEY: mat_peptide
 LOCATION: (70)...(351)
 US-09-608-810A-3

Query Match 1.4%; Score 17; DB 4; Length 351;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 296 GTCCAGCCAGGATGC 312
 Db 57 GTCCAGCCAGGATGC 41

SEQ ID NO 4 LENGTH: 351

RESULT 17

US-09-404-417A-1/C
 Sequence 1, Application US/09404417A
 GENERAL INFORMATION:
 PATENT NO. 6627729
 APPLICANT: Sheppard, Paul O.
 Deisher, Theresa A.
 Jaspers, Stephen R.
 TITLE OF INVENTION: TML PEPTIDES
 FILE REFERENCE: 97-04C1
 CURRENT APPLICATION NUMBER: US/09/404,417A
 CURRENT FILING DATE: 1999-09-23
 NUMBER OF SEQ ID NOS: 13
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 1 LENGTH: 351

OTHER INFORMATION:
 NAME/KEY: sig_Peptide
 LOCATION: 1...69
 OTHER INFORMATION:
 NAME/KEY: mat_Peptide
 LOCATION: 70...351
 OTHER INFORMATION:
 US-09-404-417A-1

Query Match 1.4%; Score 17; DB 4; Length 351;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 296 GTCCAGCCAGGATGC 312
 Db 57 GTCCAGCCAGGATGC 41

RESULT 18

US-09-252-991A-6817/C
 Sequence 6817, Application US/09252991A
 PATENT NO. 6551295
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenstein et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196..136
 CURRENT APPLICATION NUMBER: US/09/252..991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 6817 LENGTH: 435
 TYPE: DNA ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-6817

Query Match 1.4%; Score 17; DB 4; Length 435;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 CTGAGCAGGGAGAAC 708
 Db 427 CTGAGCAGGGAGAAC 411

RESULT 19

US-09-222-575-172
 Sequence 172, Application US/09222575
 PATENT NO. 6387637
 GENERAL INFORMATION:
 APPLICANT: Yuguil, Jiang
 APPLICANT: Dillon, Davin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Xu, Jianchun
 TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
 FILE REFERENCE: 210121..470
 CURRENT APPLICATION NUMBER: US/09/222,575
 NUMBER OF SEQ ID NOS: 174
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 172 LENGTH: 439
 TYPE: DNA ORGANISM: Human
 FEATURE: NAME/KEY: modified_base
 LOCATION: (19)
 OTHER INFORMATION: Where n is a, c, g or t
 NAME/KEY: modified_base
 LOCATION: (375)

```

OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (388) Query Match Score 17; DB 4; Length 439;
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (390) Best Local Similarity 100.0%; Pred. No. 1.2e+02;
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (395) Matches 0; Indels 0; Gaps 0;
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (409) Other INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (426) Other INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (434) Other INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: US-09-222-575-172

RESULT 20
US-09-389-681-172
; Sequence 172, Application US/09389681A
; Patent No. 651237
; GENERAL INFORMATION
; APPLICANT: Yugu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE: misc_feature
; NAME/KEY: misc_feature
; LOCATION: (1)..(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-389-681-172

Query Match Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 0; Indels 0; Gaps 0;
Qy 750 TCCCTCATCGGGAGGC 766
Db 80 TCCCTCATCGGGAGGC 96

RESULT 21
US-09-320-405B-172
; Sequence 172, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION
; APPLICANT: Jiaog, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun

Query Match Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 0; Indels 0; Gaps 0;
Qy 750 TCCCTCATCGGGAGGC 766
Db 80 TCCCTCATCGGGAGGC 96

RESULT 22
US-09-339-338-172
; Sequence 172, Application US/09339338A
; Patent No. 6573368
; GENERAL INFORMATION
; APPLICANT: Yugu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 172
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE: misc_feature
; NAME/KEY: misc_feature
; LOCATION: (1)..(439)
; OTHER INFORMATION: n = A,T,C or G
US-09-339-338-172

Query Match Score 17; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 0; Indels 0; Gaps 0;
Qy 750 TCCCTCATCGGGAGGC 766
Db 80 TCCCTCATCGGGAGGC 96

RESULT 23
US-09-433-826B-172
; Sequence 172, Application US/09433826B
; Patent No. 6579973
; GENERAL INFORMATION
; APPLICANT: Jiaog, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun

```

APPLICANT: Harlocker, Susan L.
 TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
 METHODS FOR BREAST CANCER AND METHODS FOR THEIR USE
 FILE REFERENCE: 210121-470C4
 CURRENT APPLICATION NUMBER: US/09/433.826B
 CURRENT FILING DATE: 1999-11-03
 NUMBER OF SEQ ID NOS: 474
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 172
 LENGTH: 439
 TYPE: DNA,
 ORGANISM: Homo sapien
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(439)
 OTHER INFORMATION: n = A,T,C or G

Query Match Score 1.4%; DB 4; Length 439;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

Qy 750 TCCTCATCGGGAGAC 766
 Db 80 TCCTCATCGGGAGAC 96

RESULT 24
 US-09-604-287A-172
 Sequence 172, Application US/09604287A
 Patent No. 6586572
 GENERAL INFORMATION:
 APPLICANT: Jiang, Yugu
 APPLICANT: Dillon, Davin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Xu, Jianguchun
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Hepler, William T.
 APPLICANT: Harlocker, Susan L.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 METHODS FOR BREAST CANCER
 FILE REFERENCE: 210121-470C7
 CURRENT APPLICATION NUMBER: US/09/604.287A
 CURRENT FILING DATE: 2000-06-22
 NUMBER OF SEQ ID NOS: 489
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 172
 LENGTH: 439
 TYPE: DNA,
 ORGANISM: Homo sapien
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(439)
 OTHER INFORMATION: n = A,T,C or G

Query Match Score 1.4%; DB 4; Length 439;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

Qy 750 TCCTCATCGGGAGAC 766
 Db 80 TCCTCATCGGGAGAC 96

RESULT 25
 US-09-285-480-172
 Sequence 172, Application US/09285480
 Patent No. 6590076
 GENERAL INFORMATION:
 APPLICANT: Jiang, Yugu
 APPLICANT: Dillon, Davin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Xu, Jianguchun

TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
 METHODS FOR BREAST CANCER AND METHODS FOR THEIR USE
 FILE REFERENCE: 10101-470C1
 CURRENT APPLICATION NUMBER: US/09/285.480
 CURRENT FILING DATE: 1999-04-02
 NUMBER OF SEQ ID NOS: 161
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 172
 LENGTH: 439
 TYPE: DNA,
 ORGANISM: Homo sapien
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(439)
 OTHER INFORMATION: n = A,T,C or G

US-09-285-480-172
 Query Match Score 1.4%; DB 4; Length 439;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

Qy 750 TCCTCATCGGGAGAC 766
 Db 80 TCCTCATCGGGAGAC 96

RESULT 26
 US-09-834-759-172
 Sequence 172, Application US/09834759
 Patent No. 6680197
 GENERAL INFORMATION:
 APPLICANT: Jiang, Yugu
 APPLICANT: Dillon, Davin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Xu, Jianguchun
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Hepler, William T.
 APPLICANT: Henderson, Robert A.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 METHODS FOR BREAST CANCER
 FILE REFERENCE: 210121-470C9
 CURRENT APPLICATION NUMBER: US/09/834.759
 CURRENT FILING DATE: 2001-04-13
 NUMBER OF SEQ ID NOS: 547
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 172
 LENGTH: 439
 TYPE: DNA,
 ORGANISM: Homo sapien
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(439)
 OTHER INFORMATION: n = A,T,C or G

US-09-834-759-172
 Query Match Score 1.4%; DB 4; Length 439;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0;
 Indels 0; Gaps 0;

Qy 750 TCCTCATCGGGAGAC 766
 Db 80 TCCTCATCGGGAGAC 96

RESULT 27
 US-09-702-705-1598
 Sequence 1598, Application US/09702705
 Patent No. 6504010
 GENERAL INFORMATION:
 APPLICANT: Wang, Tongtong
 APPLICANT: Bangur, Chaitanya S.
 APPLICANT: Lodes, Michael A.
 APPLICANT: Panger, Gary

RESULT 28
US-09-736-457-1598
Sequence 1598, Application US/09736457
Patent No. 6509448
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedwick, Tom
APPLICANT: Carter, Darrick
APPLICANT: Rettier, Marc
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.478C14
CURRENT APPLICATION NUMBER: US/09/736,457
CURRENT FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 1864
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 1598
LENGTH: 445
TYPE: DNA
ORGANISM: Homo sapiens
US-09-736-457-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

Qy 750 TCCATCGGGAGGC 766
Db 59 TCCTCATCGGGAGGC 75

RESULT 29
US-09-614-124B-1598
Sequence 1598, Application US/09614124B
Patent No. 6630574
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedwick, Tom
APPLICANT: Carter, Darrick
APPLICANT: Rettier, Marc
APPLICANT: Mannion, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.478C15
CURRENT APPLICATION NUMBER: US/09/736,457
CURRENT FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 1864
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 1598
LENGTH: 445
TYPE: DNA
ORGANISM: Homo sapiens
US-09-736-457-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

Qy 750 TCCATCGGGAGGC 766
Db 59 TCCTCATCGGGAGGC 75

RESULT 30
US-09-671-325-1598
Sequence 1598, Application US/09671325
Patent No. 6667154
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Bangur, Chaitanya S.
APPLICANT: Lodes, Michael A.
APPLICANT: Fanger, Gary
APPLICANT: Vedwick, Tom
APPLICANT: Carter, Darrick
APPLICANT: Rettier, Marc
APPLICANT: Mannion, Jane
APPLICANT: Fan, Liqun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.48C12
CURRENT APPLICATION NUMBER: US/09/671,325
CURRENT FILING DATE: 2000-09-26
NUMBER OF SEQ ID NOS: 1825
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 1598
LENGTH: 445
TYPE: DNA
ORGANISM: Homo sapiens
US-09-671-325-1598

Query Match 1.4%; Score 17; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

Qy 750 TCCATCGGGAGGC 766
Db 59 TCCTCATCGGGAGGC 75

RESULT 31
US-09-220-132-10
Sequence 10, Application US/09220132
Patent No. 6506667
GENERAL INFORMATION:
APPLICANT: Shyam, Andrew W.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
FILE REFERENCE: 07334-074A001
CURRENT APPLICATION NUMBER: US/09/220,132
CURRENT FILING DATE: 1995-12-23

PRIOR APPLICATION NUMBER: US 60/079,303
 PRIORITY FILING DATE: 1998-03-25
 PRIOR APPLICATION NUMBER: US 60/068,821
 PRIORITY FILING DATE: 1997-12-24
 NUMBER OF SEQ ID NOS: 191
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 10
 LENGTH: 541
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: NAME/KEY: misc_feature
 LOCATION: (1)...(541)
 OTHER INFORMATION: n = A,T,C or G

US 09-220-132-10

Query Match Score 17; DB 4; Length 541;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TCCTCATCGGGAGAGC 766
 Db 395 TCCTCATCGGGAGAGC 411

RESULT 32
 US-09-621-976-1574
 Sequence 1574, Application US/09621976
 Patent No. 6630063
 GENERAL INFORMATION:
 APPLICANT: Dumas Milne Edwards, J.B.
 APPLICANT: Jobert, S.
 APPLICANT: Giordano, J.Y.
 TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 CURRENT APPLICATION NUMBER: US/09/621,976
 CURRENT FILING DATE: 2000-07-21
 NUMBER OF SEQ ID NOS: 19335
 SOFTWARE: Patent .pm
 SEQ ID NO: 1574
 LENGTH: 566
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: NAME/KEY: CDS
 LOCATION: 176..439
 NAME/KEY: sig_Peptide
 LOCATION: 176..247
 OTHER INFORMATION: Von Heijne matrix
 OTHER INFORMATION: score 6.099999046257
 NAME/KEY: misc_feature
 LOCATION: 525
 OTHER INFORMATION: n=a, g, c or t
 US-09-621-976-1574

Query Match Score 17; DB 4; Length 566;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1072 GTTTCTGAAGCTGCCA 1088
 Db 505 GTTTCTGAAGCTGCCA 521

RESULT 33
 US-09-352-1086/c
 Sequence 1086, Application US/09328352
 Patent No. 6562958
 GENERAL INFORMATION:
 APPLICANT: Gary L. Breton et al.
 TITLE OF INVENTION: NUCIBIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
 TITLE OF INVENTION:

FILE REFERENCE: GTCS9-03PA
 CURRENT APPLICATION NUMBER: US/09/328,352
 CURRENT FILING DATE: 1999-06-04
 NUMBER OF SEQ ID NOS: 8252
 SEQ ID NO: 1086
 LENGTH: 627
 TYPE: DNA
 ORGANISM: Acinetobacter baumannii
 US-09-328-352-1086

Query Match Score 17; DB 4; Length 627;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1075 TTCTGAAGCTGCCACAG 1091
 Db 117 TTCTGAAGCTGCCACAG 101

RESULT 34
 US-09-833-381-1262
 Sequence 1262, Application US/09833381
 Patent No. 6672186
 GENERAL INFORMATION:
 APPLICANT: Robison, Keith E.
 TITLE OF INVENTION: Nucleic Acid and Protein Homologs
 FILE REFERENCE: 5800-119
 CURRENT APPLICATION NUMBER: US/09/833,381
 CURRENT FILING DATE: 2001-04-11
 PRIOR APPLICATION NUMBER: 09/516,448
 PRIOR FILING DATE: 2000-02-29
 NUMBER OF SEQ ID NOS: 2050
 SOFTWARE: FASTSEQ For Windows Version 3.0
 SEQ ID NO: 1262

Query Match Score 17; DB 4; Length 643;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1139 TACATAGCTGATGAA 1155
 Db 156 TACATAGCTGATGAA 172

RESULT 35
 US-09-016-434-1255/c
 Sequence 1255, Application US/09016434
 Patent No. 6500938
 GENERAL INFORMATION:
 APPLICANT: Janice Au-Young
 APPLICANT: Jeffrey J. Seihamer
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING PATHWAY GENE EXPRESSION
 TITLE OF INVENTION:
 NUMBER OF SEQUENCES: 1490
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 STREET: 3174 PORTER DRIVE
 CITY: PALO ALTO
 STATE: CALIFORNIA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WORD Perfect 6.1 For Windows/MS-DOS 6.2
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/016,434
 FILING DATE: HEREWITH
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 REGISTRATION NUMBER: 37,071
 REFERENCE/DOCKET NUMBER: PA-0002 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 855-0555
 TELEFAX: (650) 845-4166
 INFORMATION FOR SEQ ID NO: 1-255:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 651 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLOONE: G190878
 US-09-016-434-1255

Query Match
 Best Local Similarity 100.0%; Score 17; DB 4; Length 651;
 Matches 17; Conservative 0; Pred. No. 1.2e+02;
 Mismatches 0; Indels 0; Gaps 0;

RESULT 36
 US-09-621-976-87
 Sequence 87, Application US/09621976
 GENERAL INFORMATION:
 APPLICANT: Dunas Milne Edwards, J.B.
 APPLICANT: Giordano, J.Y.
 APPLICANT: Jobert, S.
 TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 CURRENT APPLICATION NUMBER: US/09/621,976
 CURRENT FILING DATE: 2000-07-21
 NUMBER OF SEQ ID NOS: 19335
 SOFTWARE: Patent.pml
 SEQ ID NO 87
 LENGTH: 674
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 221..673
 NAME/KEY: sig_peptide
 LOCATION: 221..268
 OTHER INFORMATION: Von Heijne matrix
 OTHER INFORMATION: score 7 3.0000019073486
 OTHER INFORMATION: seq FLLILCLFIGTGS/VS
 US-09-621-976-87

Query Match
 Best Local Similarity 100.0%; Score 17; DB 4; Length 674;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1139 TACATCAGGCTGAATGA 1155
 Db 302 TACATCAGGCTGAATGA 318

RESULT 37
 US-09-489-039A-5493
 Sequence 5493, Application US/09489039A
 ; Patent No. 6610836
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et. al
 ; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; CURRENT APPLICATION NUMBER: US/09/489,039A
 ; FILE REFERENCE: 2709_2004001
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117,747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO 593
 ; LENGTH: 759
 ; TYPE: DNA
 ; ORGANISM: Klebsiella pneumoniae
 ; US-09-489-039A-5493

Query Match
 Best Local Similarity 100.0%; Score 17; DB 4; Length 759;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 542 GCCGGCTGTGCTGAG 558
 Db 676 GCCGGCTGTGCTGAG 692

RESULT 38
 US-09-434-354-1
 Sequence 1, Application US/09434354
 ; Patent No. 6562553
 ; GENERAL INFORMATION:
 ; APPLICANT: Cleverger, William
 ; APPLICANT: Wiley, Sandra Eileen
 ; APPLICANT: Andreyev, Alexander Y.
 ; APPLICANT: Frigerio, Luciano G.
 ; APPLICANT: Veličković, Goran
 ; APPLICANT: Davis, Robert E.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETERMINING
 ; TITLE OF INVENTION: IDENTIFYING AGENTS THAT ALTER SUCH INTERACTIONS
 ; FILE REFERENCE: 6008_433
 ; CURRENT APPLICATION NUMBER: US/09/434,354
 ; CURRENT FILING DATE: 1999-11-03
 ; NUMBER OF SEQ ID NOS: 54
 ; SOFTWARE: FastSSQ for Windows Version 3.0
 ; SEQ ID NO 1
 ; LENGTH: 894
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 ; US-09-434-354-1

Query Match
 Best Local Similarity 100.0%; Score 17; DB 4; Length 894;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 106 AGATCCCTAAGGAGCA 122
 Db 178 AGATCCCTAAGGAGCA 194

RESULT 39
 US-09-634-238-89/C
 Sequence 89, Application US/09634238
 ; Patent No. 6544772
 ; GENERAL INFORMATION:
 ; APPLICANT: Glenn, Matthew
 ; APPLICANT: Harvikkala, Ilkka J.
 ; APPLICANT: Bloemberg, Leonard, N.
 ; APPLICANT: Lubbers, Mark W.

```

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1089 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
NAME/KEY: CDS
FEATURE: CDS
LOCATION: 13..888
US-08-154-915-1

Query Match 1.4%; Score 17; DB 1; Length 1089;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 949 CTGCTTACTCAGGAGC 965
Db 168 CTGCTTACTCAGGAGC 184

RESULT 41
Sequence 1, Application US/08154915
Patent No. 5616669
GENERAL INFORMATION:
APPLICANT: Beach, David H.
TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/154,915
FILING DATE: 19-NOV-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 17-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,308
FILING DATE: 16-OCT-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/991,997
FILING DATE: 26-MAY-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/701,514
FILING DATE: 16-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Matthew P. Vincent
REGISTRATION NUMBER: 36,709
REFERENCE DOCKET NUMBER: MIT-004C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 1089 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE: CDS
NAME/KEY: CDS
LOCATION: 13..888
US-08-164-517-37

Query Match 1.4%; Score 17; DB 2; Length 1089;

```

Best Local Similarity 100.0%; Pred. No. 1.2e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 17; Conservative 0; Gaps 0;

Qy 949 CTGCCTACTCAAGGAGC 965
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 42
US-08-246-361A-37
Sequence 37, Application US/08246361A
Patent No. 5938582

GENERAL INFORMATION:
 APPLICANT: BEACH, David H.
 TITLE OF INVENTION: D-TYPE CYCLIN AND USES RELATED THERETO
 NUMBER OF SEQUENCES: 50

CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street
 CITY: Boston
 STATE: MA
 COUNTRY: USA
 ZIP: 02109

COMPUTER-READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/463,772
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/963,308
 FILING DATE: 16-OCT-1992
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(text)

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/246,361A
 FILING DATE: 19-MAY-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/963,308
 FILING DATE: 16-OCT-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/888,178
 FILING DATE: 26-MAY-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/701,514
 FILING DATE: 16-MAY-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Matthew P. Vincent
 REGISTRATION NUMBER: 36,709
 REFERENCE/DOCKET NUMBER: MII-004C

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-941
 INFORMATION FOR SEQ ID NO: 37:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1089 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 13..888
 US-08-463-772-37

Query Match 1.4%; Score 17; DB 2; Length 1089;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 949 CTGCCTACTCAAGGAGC 965
Db 168 CTGCCTACTCAAGGAGC 184

RESULT 43
US-08-246-361A-37
Sequence 37, Application US/08463772
Patent No. 6066501

GENERAL INFORMATION:
 APPLICANT: Cyclin Complex Rearrangement and Uses Related
 TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses Related
 NUMBER OF SEQUENCES: 4

COMPUTER-READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/09945
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: Sequence 1, Application PC/TUS9309945

RESULT 44
PCT-US93-09945-1
Sequence 1, Application PC/TUS9309945

GENERAL INFORMATION:
 APPLICANT:
 TITLE OF INVENTION: Cyclin Complex Rearrangement and Uses Related
 NUMBER OF SEQUENCES: 4

COMPUTER-READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/09945
 FILING DATE:
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/963, 308
 FILING DATE: 16-OCT-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/991, 997
 FILING DATE: 17-DEC-1992
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1089 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 13..888
 PCT-US93-09345-1

Query Match 1.4%; Score 17; DB 5; Length 1089;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 949 CTGCCTACTCAAGGAC 965
 Db 168 CTGCCTACTCAAGGAC 184

RESULT 45
 US-09-566-921-66
 Sequence 66, Application US/09566921
 GENERAL INFORMATION:
 APPLICANT: Loring, Jeanne F.
 APPLICANT: Tingley, Debora W.
 APPLICANT: Edwards, Carla M.
 TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
 FILE REFERENCE: PA-0024 US
 CURRENT APPLICATION NUMBER: US/09/566, 921
 CURRENT FILING DATE: 2000-05-05
 SOFTWARE: PERL Program
 SEQ ID NO 66
 LENGTH: 1747
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: Incyte ID No. 6682888 244561.6
 US-09-566-921-66

Query Match 1.4%; Score 17; DB 4; Length 1747;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 106 AGATCCCTAAGGACA 122
 Db 303 AGATCCCTAAGGACA 319

RESULT 46
 US-08-765-889C-1
 Sequence 1, Application US/08765889C
 GENERAL INFORMATION:
 Patent No. 6135572
 APPLICANT: BENATTI, Luca
 APPLICANT: BRETON, Jerome
 APPLICANT: SPECIAL, Carmela
 APPLICANT: OKUNO, Etuo
 APPLICANT: SCHWARCZ, Robert
 APPLICANT: MOSCA, Monica
 TITLE OF INVENTION: RECOMBINANT KAT ENZYME AND
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:

ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
 STREET: 2100 PENNSYLVANIA AVENUE, N.W.
 CITY: WASHINGTON
 STATE: D.C.
 ZIP: 20037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/07855
 FILING DATE: 23-JUN-1995
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 TELECOMMUNICATION INFORMATION:

RESULT 47
 PCT/US95/07855-1
 Sequence 1, Application PC/TUS9507855
 GENERAL INFORMATION:
 APPLICANT: BENATTI, Luca
 APPLICANT: BRETON, Jerome
 APPLICANT: SPECIAL, Carmela
 APPLICANT: OKUNO, Etuo
 APPLICANT: SCHWARCZ, Robert
 APPLICANT: MOSCA, Monica
 TITLE OF INVENTION: RECOMBINANT KAT ENZYME AND
 TITLE OF INVENTION: PROCESS FOR ITS PREPARATION
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
 STREET: 2100 PENNSYLVANIA AVENUE, N.W.
 CITY: WASHINGTON
 STATE: D.C.
 ZIP: 20037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/07855
 FILING DATE: 23-JUN-1995
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 293-7060
 TELEFAX: (202) 293-7860
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1748 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 PCT-US95-07855-1

RESULT 48
 US-09-252-991A-6975
 Sequence 6975, Application US/09252991A
 PATENT No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 6975
 LENGTH: 1953
 TYPE: DNA
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-6975

Query Match 1.4%; Score 17; DB 5; Length 1748;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 903 TCCAGGCCCTGGTGGAC 919
 Db 345 TCCAGGCCCTGGTGGAC 361

RESULT 49
 US-09-252-991A-6727/C
 Sequence 6727, Application US/09252991A
 PATENT No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 6727
 LENGTH: 2118
 TYPE: DNA
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-6727

Query Match 1.4%; Score 17; DB 2; Length 2118;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 CTGAGCAGGAGAAC 708
 Db 371 CTGAGCAGGAGAAC 387

RESULT 50
 US-08-755-559-2/C
 Sequence 2, Application US/08755559
 PATENT No. 5912112
 GENERAL INFORMATION:
 APPLICANT: KAUFMAN, RUSSEL E.
 APPLICANT: SLENTZ-KESLER, KIMBERLY L.
 TITLE OF INVENTION: GENE PRODUCT OVER EXPRESSED IN CANCER CELLS
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: NIXON & VANDERHYE P.C.
 STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
 CITY: ARLINGTON
 STATE: VIRGINIA
 COUNTRY: U.S.A.
 ZIP: 22201-4714
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 CURRENT APPLICATION DATE: 2000-08-01, Version #1.30
 APPLICATION NUMBER: US/08/755,559
 FILING DATE: 22-NOV-1996
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: WILSON, MARY J.
 REGISTRATION NUMBER: 32,955
 REFERENCE/DOCKET NUMBER: 1579-116
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 816-4000
 TELEFAX: (703) 816-4100
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2180 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-755-559-2

Query Match 1.4%; Score 17; DB 2; Length 2180;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 272 GAAGGGCCCCAACGCC 288
 Db 1532 GAAGGGCCCCAACGCC 1516

RESULT 51
 US-09-210-474-2/C
 Sequence 2, Application US/09210474
 PATENT No. 6072054
 GENERAL INFORMATION:
 APPLICANT: KAUFMAN, RUSSEL E.
 APPLICANT: SLENTZ-KESLER, KIMBERLY L.
 TITLE OF INVENTION: GENE PRODUCT OVER EXPRESSED IN CANCER CELLS
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: NIXON & VANDERHYE P.C.

STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
 CITY: ARLINGTON
 STATE: VIRGINIA
 COUNTRY: U.S.A.
 ZIP: 22201-4714
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/210,474
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/755, 559
 FILING DATE: 22-NOV-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: WILSON, MARY J.
 REGISTRATION NUMBER: 32,955
 REFERENCE/DOCKET NUMBER: 1579-116
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 816-4000
 TELEFAX: (703) 816-4100
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2180 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-09-210,474-2

Query Match Similarity 1.4%; Score 17; DB 3; Len 100.0%; Pred. No. 1.2e+02;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0;

Qy	272 GAGGGCCCCAAAGCC 288
D _b	1532 GAGGGCCCCAAAGCC 1516

RESULT 52
 US-09-539-774-2/c
 | Sequence 2, Application US/09/539/774
 | Patent No. 6350615
 | GENERAL INFORMATION:
 | APPLICANT: KAUFMAN, RUSSEL E.
 | TITLE OF INVENTION: GENE PRODUCT OVER EXPRESSED IN CELLS
 | TITLE OF INVENTION: CELLS
 | NUMBER OF SEQUENCES: 2
 | CORRESPONDENCE ADDRESS:
 | ADDRESSEE: NIXON & VANDERHYE P.C.
 | STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
 | CITY: ARLINGTON
 | STATE: VIRGINIA
 | COUNTRY: U.S.A.
 | ZIP: 22201-4714
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/539,774
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/210,474
 ATTORNEY/AGENT INFORMATION:
 NAME: WILSON, MARY J.

OTHER INFORMATION: Incyte ID No. 6682888 232838:13 US-09-567-921-3

Query Match 1.4%; Score 17; DB 4; Length 2666;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 750 TCCTCATCCGGAGAC 766
Db 902 TCCTCATCCGGAGAC 886

RESULT 55
US-09-252-991A-6767/c
Sequence 6767, Application US/09252991A
Patent No. 6551306
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenstein et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 10/1996.136
CURRENT APPLICATION NUMBER: US/09/252,991A
PRIOR APPLICATION NUMBER: 1999-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 6767
LENGTH: 2856
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-6767

Query Match 1.4%; Score 17; DB 4; Length 2856;
Best Local Similarity 100.0%; Pred. No. 1.2e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 CTGAGCAGGGAGAAC 708
Db 1394 CTGAGCAGGGAGAAC 1378

RESULT 56
US-09-179-558-54
Sequence 54, Application US/09179558
Patent No. 6531306
GENERAL INFORMATION:
APPLICANT: Hockensmith, Joel W.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TARGETING DNA METABOLIC PROCESSES USING AMINOCYCLIC DERIVATIVES
TITLE OF INVENTION: AMINOCYCLIC DERIVATIVES
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/722,825
FILING DATE: 28-No. 6531306-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/179,558
FILING DATE: Unknown
APPLICATION NUMBER: U.S. 60/063,898
FILING DATE: 31-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 9426-005-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)7909090
TELEFAX: (212)8699741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 2874 base pairs
TYPE: nucleic acid

STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: Other
 SEQUENCE DESCRIPTION: SEQ ID NO: 54:
 US-09-722-854-54

Query Match Score 17; DB 4; Length 2874;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 404 AGTCTGCCAGCGAG 420
 Db 781 AGTCTGCCAGCGAG 797

RESULT 58
 US-09-722-487-54
 Sequence 54, Application US/09722487
 Patent No. 6537791
 GENERAL INFORMATION:
 APPLICANT: Hockensmith, Joel W.
 Muthuswami, Rohini
 TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
 TARGETING DNA METABOLIC PROCESSES USING
 AMINOGLYCOSIDE DERIVATIVES
 NUMBER OF SEQUENCES: 66
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: PENNIE & EDMONDS LLP
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: NY
 COUNTRY: USA
 ZIP: 10016-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FasSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/722,708
 FILING DATE: 28-No. 657360-2000
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 09/179,558
 FILING DATE: <Unknown>
 APPLICATION NUMBER: US/09722,708
 FILING DATE: 31-OCT-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 9426-005-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)7909090
 TELEX: (212)8699741
 FAX: (212)8699741
 INFORMATION FOR SEQ ID NO: 54:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2874 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: Linear
 MOLECULE TYPE: Other
 SEQUENCE DESCRIPTION: SEQ ID NO: 54:
 US-09-722-708-54

Query Match Score 17; DB 4; Length 2874;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 404 AGTCTGCCAGCGAG 420
 Db 781 AGTCTGCCAGCGAG 797

RESULT 60
 US-09-179-558-61
 Sequence 61, Application US/09179558
 Patent No. 6180612
 GENERAL INFORMATION:
 APPLICANT: Hockensmith, Joel W.
 Muthuswami, Rohini
 TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
 TARGETING DNA METABOLIC PROCESSES USING
 AMINOGLYCOSIDE DERIVATIVES
 NUMBER OF SEQUENCES: 66
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: PENNIE & EDMONDS LLP

Query Match Score 17; DB 4; Length 2874;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 404 AGTCTGCCAGCGAG 420
 Db 781 AGTCTGCCAGCGAG 797

STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: NY
 COUNTY: USA
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/179, 558
 FILING DATE: 27-OCT-1998
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: U.S. 60/063, 898
 FILING DATE: 15-APR-1998
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: U.S. 60/063, 898
 FILING DATE: 31-OCT-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 9426-005-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)7909090
 TELEFAX: (212)8699741
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 61:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3059 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: Linear
 MOLECULE TYPE: Other
 SEQUENCE DESCRIPTION: SEQ ID NO: 61:
 US-09-722-825-61

RESULT: 30,742
 Query Match Score 17; DB 4; Length 3059;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 404 AGTCTGCCAGCAGAG 420
 Db 966 AGTCTGCCAGCAGAG 982

RESULT: 62
 US-09-722-487-61
 Sequence 61, Application US/09722487
 Patent No. 6537791
 GENERAL INFORMATION:
 APPLICANT: Hockensmith, Joel W.
 MUTHUSWAMI, Rohini
 TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
 TARGETING DNA METABOLIC PROCESSES USING
 NUMBER OF SEQUENCES: 66
 AMINOGLYCOSIDE DERIVATIVES

CORRESPONDENCE ADDRESS:
 ADDRESS: PENNIE & EDMONDS LLP
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: NY
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/722,487
 FILING DATE: 28-No. 6537791-2000
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/179, 558
 FILING DATE: <Unknown>
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/722, 825
 FILING DATE: 28-No. 6531306-2000
 CLASSIFICATION: <Unknown>

SEQUENCE CHARACTERISTICS:
 LENGTH: 3059 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: Other
 SEQUENCE DESCRIPTION: SEQ ID NO: 61:
 US-09-722-487-61

Query Match 1.4%; Score 17; DB 4; Length 3059;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 404 AGTCTGCCAGCAGAAG 420
 Db 966 AGTCTGCCAGCAGAAG 982

RESULT 64
 US-09-620-312D-349/c
 Sequence 349, Application US/09620312D

GENERAL INFORMATION:
 ; Patent No. 6569662
 ; APPLICANT: Tang, Y. Tom
 ; APPLICANT: Liu, Chenghua
 ; APPLICANT: Asundi, Vinod
 ; APPLICANT: Zhang, Jie
 ; APPLICANT: Ren, Feiyun
 ; APPLICANT: Chen, Rui-hong
 ; APPLICANT: Zhao, Qing A.
 ; APPLICANT: Weirman, Tom
 ; APPLICANT: Xue, Aidong J.
 ; APPLICANT: Yang, Yonghong
 ; APPLICANT: Wang, Jian-Rui
 ; APPLICANT: Zhou, Ping
 ; APPLICANT: Ma, Yunqiang
 ; APPLICANT: Wang, Dunruo
 ; APPLICANT: Wang, Zhiwei
 ; APPLICANT: John Trillinghast
 ; APPLICANT: Demancat, Radote T.
 ; TITLE OF INVENTION: Polypeptides
 ; FILE REFERENCE: 784CLP2B
 ; CURRENT APPLICATION NUMBER: US/09/620,312D
 ; CURRENT FILING DATE: 2000-07-19
 ; PRIOR APPLICATION NUMBER: 09/552,317
 ; PRIOR FILING DATE: 2000-04-25
 ; PRIOR APPLICATION NUMBER: 09/488,725
 ; PRIOR FILING DATE: 2000-01-21
 ; NUMBER OF SEQ ID NOS: 1105
 ; SOFTWARE: Pt_FL_Sgenes Version 1.0
 ; SEQ ID NO: 349 - _FL_Sgenes Version 1.0
 ; LENGTH: 4139
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (260) .. (2164)

US-09-620-312D-349

Query Match 1.4%; Score 17; DB 4; Length 4139;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 499 GGCCACAGCGTGGCC 515
 Db 487 GGCCACAGCGTGGCC 471

RESULT 65
 US-09-896-449A-1
 Sequence 1, Application US/08896449A
 ; Patent No. 6040143
 ; GENERAL INFORMATION:
 ; APPLICANT: Venta, Patrick J
 ; APPLICANT: Yutbasiyan-Gurken, Vilma
 ; APPLICANT: Schall, William D
 ; APPLICANT: Brewer, George J
 ; TITLE OF INVENTION: DNA ENCODING CANINE VON WILLEBRAND
 ; TITLE OF INVENTION: FACTOR AND METHODS OF USE
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSE: Harness, Dickey & Pierce, P.L.C.
 ; STREET: 545 Corporate Drive
 ; CITY: TROY
 ; STATE: Michigan
 ; COUNTRY: USA

US-09-722-708-61

Query Match 1.4%; Score 17; DB 4; Length 3059;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 404 AGTCTGCCAGCAGAAG 420

```

; ZIP: 48098
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Version #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/896,449A
; FILING DATE: 18-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REFERENCE/DOCKET NUMBER: 2115-001226
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 248-641-1600
; TELEFAX: 248-641-0270
; TELEX: 287637

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8802 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 203..8641
; OTHER INFORMATION: /function= "Blood Clotting Protein"
; OTHER INFORMATION: /product= "Canine von Willebrand Factor"
; OTHER INFORMATION: /standard_name= "vWF"
; PUBLICATION INFORMATION:
; AUTHORS: Venta, Patrick J.
; AUTHORS: Li, Jianping
; AUTHORS: Yuzbasiyan-Gurkan, Vilma
; AUTHORS: Schall, William D.
; AUTHORS: Brewer, George J.
; TITLE: Von Willebrand's Disease in the Scottish Terrier: Exon Four of the von Willebrand Factor Gene
; JOURNAL: Journal of the American Veterinary Medicine Association
; DATE: 1996
; RELIEVANT RESIDUES IN SEQ ID NO: 1: FROM 1 TO 8802
; US-08-896-449A-1

; Query Match
; Best Local Similarity 1.4%; Score 17; DB 3; Length 8802;
; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; RESULT 66
; US-09-132-652-1
; Sequence 1, Application US/09132652
; GENERAL INFORMATION:
; APPLICANT: Venta, Patrick J.
; APPLICANT: Yuzbasiyan-Gurkan, Vilma
; APPLICANT: Schall, William D.
; APPLICANT: Brewer, George J.
; APPLICANT: Duffendack, John
; TITLE OF INVENTION: DNA ENCODING CANINE VON WILLEBRAND FACTOR AND METHODS
; FILE REFERENCE: 2115S-001226CPB
; CURRENT APPLICATION NUMBER: US/09/132,652
; CURRENT FILING DATE: 1998-08-11
; EARLIER APPLICATION NUMBER: 2115-001226
; EARLIER FILING DATE: 1997-07-18
; NUMBER OF SEQ ID NOS: 29

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 8802
; TYPE: DNA
; ORGANISM: Canis familiaris
; US-09-132-652-1

; Query Match
; Best Local Similarity 100.0%; Score 17; DB 3; Length 8802;
; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; RESULT 67
; US-09-534-638-1/c
; Sequence 1, Application US/09534638
; Patent No. 6320038
; GENERAL INFORMATION:
; APPLICANT: Brandt, Annika
; APPLICANT: Westerlund, Johanna
; TITLE OF INVENTION: Promoter for Neuropeptide FF Promoter and use thereof
; FILE REFERENCE: 2530-104
; CURRENT APPLICATION NUMBER: US/09/534,638
; CURRENT FILING DATE: 2000-03-27
; EARLIER APPLICATION NUMBER: 09/365755
; EARLIER FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1

; Query Match
; Best Local Similarity 100.0%; Score 17; DB 4; Length 9840;
; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; RESULT 68
; US-09-451-702B-62
; Sequence 62, Application US/09453702B
; Patent No. 6365723
; GENERAL INFORMATION:
; APPLICANT: Blattner, Frederick R.
; APPLICANT: Burland, Valerie
; APPLICANT: Pern, Nicole T.
; APPLICANT: Plunkett, Guy
; APPLICANT: Welch, Rod
; TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Charles & Brady Street
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44MB storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 8.0
; CURRENT APPLICATION DATA:
```

APPLICATION NUMBER: US/09/453,702B
 FILING DATE: 03-Dec-1999
 CLASSIFICATION: Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/110,955
 FILING DATE: 04-DEC-1998
 ATTORNEY/AGENT INFORMATION:
 NAME: Seay, Nicholas J.
 REGISTRATION NUMBER: 27386
 REFERENCE/DOCKET NUMBER: 960296.95017
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (608) 251-5000
 TELEFAX: (608) 251-9166
 INFORMATION FOR SEQ ID NO: 62:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 61063
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 SEQUENCE DESCRIPTION: SEQ ID NO: 62:
 US-09-453-702B-62

Query Match 1.4%; Score 17; DB 4; Length 61663;
 Best Local Similarity 100.0%; Pred. No. 1.e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 921 ATTACTCTGAGCTGGCG 937
 Db 49896 ATTACTCTGAGCTGGCG 49912

RESULT 69
 US-09-103-840A-2
 Sequence 2, Application US/09103840A
 Patent No. 6394328
 GENERAL INFORMATION:
 APPLICANT: FLEISCHMAN, Robert D.
 APPLICANT: WHITE, Owen R.
 APPLICANT: FRASER, Claire M.
 APPLICANT: VENTER, John C.
 TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
 FILE REFERENCE: 243.66-20007.00
 CURRENT APPLICATION NUMBER: US/09/103,840A
 CURRENT FILING DATE: 1998-06-24
 NUMBER OF SEQ ID NOS: 2
 OTHER INFORMATION: "n" bases at various positions throughout the sequence
 OTHER INFORMATION: represent a, t, c or g
 SEQ ID NO 2
 LENGTH: 4433765

Query Match 1.4%; Score 17; DB 3; Length 4403765;
 Best Local Similarity 100.0%; Pred. No. 71; Mismatches 0; Indels 0; Gaps 0;

Qy 567 AGCCATTGACCATCGTC 583
 Db 155 AGCCATTGACCATCGTC 171

RESULT 70
 US-09-103-840A-1
 Sequence 1, Application US/09103840A
 Patent No. 6294328
 GENERAL INFORMATION:
 APPLICANT: FLEISCHMAN, Robert D.

Query Match 1.4%; Score 17; DB 3; Length 4411529;
 Best Local Similarity 100.0%; Pred. No. 71; Mismatches 0; Indels 0; Gaps 0;

Qy 567 AGCCATTGACCATCGTC 583
 Db 155 AGCCATTGACCATCGTC 171

RESULT 71
 US-09-404-417A-8/C
 Sequence 8, Application US/09404417A
 Patent No. 6627729
 GENERAL INFORMATION:
 APPLICANT: Snappard, Paul O.
 APPLICANT: Deisher, Theresa A.
 APPLICANT: Jespers, Stephen R.
 APPLICANT: Jespers, Stephen R.
 TITLE OF INVENTION: TML PEPTIDES
 FILE REFERENCE: 97-04C1
 CURRENT APPLICATION NUMBER: US/09/404,417A
 CURRENT FILING DATE: 1999-09-23
 NUMBER OF SEQ ID NOS: 13
 SOFTWARE: FASTSEQ for Windows Version 3.0
 SEQ ID NO 8
 LENGTH: 18
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: OLIGONUCLEOTIDE
 US-09-404-417A-8

Query Match 1.4%; Score 16; DB 4; Length 18;
 Best Local Similarity 100.0%; Pred. No. 3.9e-02; Mismatches 0; Indels 0; Gaps 0;

Qy 296 GTCCAGGGAGAGCATG 311
 Db 16 GTCCAGGGAGAGCATG 1

RESULT 72
 US-09-833-381-378/C
 Sequence 378, Application US/09833381
 Patent No. 6672186
 GENERAL INFORMATION:
 APPLICANT: Robison, Keith E.
 TITLE OF INVENTION: NO. 6672186el Nucleic Acid and Protein Homologs
 FILE REFERENCE: 500-11-19
 CURRENT APPLICATION NUMBER: US/09/833,381
 CURRENT FILING DATE: 2001-04-11
 PRIORITY NUMBER: 09/516,448
 PRIOR FILING DATE: 2000-02-9
 NUMBER OF SEQ ID NOS: 2050
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 378
 LENGTH: 211

```

; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-381-378

Query Match 1.4%; Score 16; DB 4; Length 211;
Best Local Similarity 100.0%; Pred. No. 3.7e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 628 CAGAGATTAACATC 643
Db 120 CAGAGATTAACATC 105

RESULT 73
; Sequence 93, Application US/09602877A
; General Information:
; Applicant: Reed, Steven G.
; Applicant: Xu, Jiaqinchun
; Applicant: Dillon, David C.
; Title of Invention: COMPOSITIONS AND METHODS FOR THE THERAPY
; Title of Invention: AND DIAGNOSIS OF BREAST CANCER
; File Reference: 210121.446CS
; Current Application Number: US/09/602,877A
; Current Filing Date: 2000-06-22
; Number of SEQ ID Nos: 107
; Software: FastSEQ for Windows Version 3.0
; SEQ ID NO: 93
; LENGTH: 251
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-802-877A-93

Query Match 1.4%; Score 16; DB 4; Length 251;
Best Local Similarity 100.0%; Pred. No. 3.7e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 24 GCCTGTCGTCTGTGA 39
Db 92 GCCTGTCGTCTGTGA 107

RESULT 74
; Sequence 9, Application US/09671710
; General Information:
; Applicant: BILLING-MEDDEL, PATRICIA
; Applicant: COHEN, MAURICE
; Applicant: COLPITS, TRACEY L.
; Applicant: FRIEDMAN, PAULA N.
; Applicant: GORDON, JULIAN
; Applicant: GRANADOS, EDWARD N.
; Applicant: HODGES, STEVEN C.
; Applicant: KLAAS, MICHAEL R.
; Applicant: KRATCHIVILL, JON D.
; Applicant: ROBERTS-RAPP, LISA
; Applicant: RUSSELL, JOHN C.
; Applicant: STROUPE, STEPHEN D.
; Title of Invention: REAGENTS AND METHODS USEFUL
; Title of Invention: FOR DETECTING DISEASES OF THE PROSTATE
; Number of Sequences: 41
; Correspondence Address:
; Addressee: Abbott Laboratories
; Street: 100 Abbott Park Road
; City: Abbott Park
; State: IL
; Country: USA
; Zip: 60064-3500
; Computer Readable Form:
; Medium Type: Diskette
; Operating System: DOS
; Software: FastSQ for Windows Version 2.0
; Current Application Data:
; Application Number: US/09/525,397
; Filing Date:
; Classification:
; Prior Application Data:
; Application Number: 09/071,710
; Filing Date:

; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,710
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION NUMBER: US/09/071,710
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6083.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1229
; TELEX: 847/938-2623
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 265 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-071-710-9

Query Match 1.4%; Score 16; DB 3; Length 265;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 24 GCCTGTCGTCTGTGA 39
Db 141 GCCTGTCGTCTGTGA 126

```


; OTHER INFORMATION: /note= "N' represents an A or G or
US-09-071-710-10 T or C polymorphism at this position."

Query Match Score 16; DB 3; Length 288;
Best Local Similarity 100.0%; Pres. No. 3. re+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 62 GCCTGTCTCTGTGA 47

RESULT 79
US-09-525-397-10/C
Sequence 10, Application US/09525397
Patent No. 6252047
GENERAL INFORMATION:
APPLICANT: BILLING-MEDBI, PATRICIA
APPLICANT: COHEN, MAURICE
APPLICANT: COLPITT, TRACEY L.
APPLICANT: FRIENDMAN, PAULA N.
APPLICANT: GORDON, JULIAN
APPLICANT: GRANADOS, EDWARD N.
APPLICANT: HODGES, STEVEN C.
APPLICANT: KLAAS, MICHAEL R.
APPLICANT: KRATOCHVIL, JON D.
APPLICANT: ROBERTS-RAPP, LISA
APPLICANT: RUSSELL, JOHN C.
APPLICANT: STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE PROSTATE
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/525,397
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/071,710
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 288 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: base_polymorphism
LOCATION: 147
OTHER INFORMATION: /note= "N' represents an A or G or
US-09-525-397-10 T or C polymorphism at this position"

Query Match Score 16; DB 3; Length 288;
Best Local Similarity 100.0%; Pres. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 62 GCCTGTCTCTGTGA 47
RESULT 80
US-08-235-838-9/C
Sequence 9, Application US/08235838
Patent No. 5571894
GENERAL INFORMATION:
APPLICANT: Weis, Winfried S.
APPLICANT: Hynes, Nancy E.
APPLICANT: Harwerth, Ina-Maria
APPLICANT: Groner, Bernd
APPLICANT: Hardman, No. 5571894man
APPLICANT: Zwickl, Martin
TITLE OF INVENTION: Recombinant Antibodies Specific for a
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: USA
ZIP: 10532
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/235,838
FILING DATE: TBA
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/828,832
FILING DATE: 31-JAN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 91-810079.3
FILING DATE: 05-FEB-1991
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8614
TELEFAX: (919)541-8689
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 31.0 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: mouse
INDIVIDUAL ISOLATE: E. coli
IMMEDIATE SOURCE:
CLONE: pMW15-VL51-1
FEATURE:
NAME/KEY: misc feature
LOCATION: 1-310
OTHER INFORMATION: /note= "1-18 Partial seq. of
VK1BACK Primer region; 64-96 CDR1L; 142-162 CDR2L;
OTHER INFORMATION: 259-282 CDR3L; 292-310 partial seq. of VK1FOR
OTHER INFORMATION: primer region

US-08-235-838-9
 Query Match 1.4%; Score 16; DB 1; Length 310;
 Best Local Similarity 100.0%; Pred. No. 3.7e+02;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 586 TGAGGATGGAACTGG 601
 Db 24 TGAGGATGGAACTGG 9

RESULT 81
 US-08-465-473B-9/c
 Sequence 9, Application US/08465473B
 Patent No. 5339531
 GENERAL INFORMATION:
 APPLICANT: Wells, Winfried S.
 APPLICANT: Hynes, Nancy E.
 APPLICANT: Harwerth, Ina-Maria
 APPLICANT: Groner, Bernd E.
 APPLICANT: Hardman, No. 5933531man
 APPLICANT: Zwicky, Markus
 TITLE OF INVENTION: Recombinant Antibodies Specific for a
 TITLE OF INVENTION: Growth Factor Receptor
 NUMBER OF SEQUENCES: 34
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: NOVARTIS Corporation
 STREET: 564 Morris Avenue
 CITY: Summit
 STATE: New Jersey
 COUNTRY: USA
 ZIP: 07901-6940
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/465,473B
 FILING DATE: 5 June 1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/828,832
 FILING DATE: 31-JAN-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 91-810079.3
 FILING DATE: 05-FEB-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Pfeiffer, Hesna J.
 REGISTRATION NUMBER: 22,540
 REFERENCE/DOCKET NUMBER: 4-18518/A/CIP/CONT2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (908)522 6940
 TELEFAX: (908)522 6355
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 310 base pairs
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Mouse
 INDIVIDUAL ISOLATE: E. coli
 IMMEDIATE SOURCE:
 CLONE: pWILS-V51-1
 NAME/KEY: misc_feature
 LOCATION: 1..310
 OTHER INFORMATION: /note= "1-18 Partial seq. of VK1BACK Primer region; 64-96 CDR1L; 142-162 CDR2L;"
 OTHER INFORMATION: VK1BACK Primer region; 64-96 CDR1L; 142-162 CDR2L;

; OTHER INFORMATION: 259-282 CDR3L; 292-310 partial seq. of VK1FOR
; OTHER INFORMATION: primer region
; US-08-465-473B-9
; Query Match 1.4%; Score 16; DB 2; Length 310;
; Best Local Similarity 100.0%; Pred. No. 3.7e+02;
; Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; Qy 586 TGAGGATGGAACTGG 601
; Db 24 TGAGGATGGAACTGG 9
; RESULT 82
; US-08-888-366-21/C
; Sequence 21, Application US/08888366
; Patient No. 5972656
; GENERAL INFORMATION:
; APPLICANT: Lopez, Osvaldo
; APPLICANT: Wyllie, Dwane E.
; APPLICANT: Wagner, Fred W.
; TITLE OF INVENTION: Mercury Binding Polypeptides and Nucleotides Coding Therefor
; NUMBER OF SEQUENCES: 39
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/888,366
; FILING DATE: 03-JUL-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/187,407
; FILING DATE: 27-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/990,542
; FILING DATE: 14-DBC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/888,366
; FILING DATE: 03-JUL-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/187,407
; FILING DATE: 27-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/990,542
; FILING DATE: 14-DBC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Carter, Charles G.
; REGISTRATION NUMBER: 35,093
; REFERENCE/DOCKET NUMBER: 8648.39USC1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612-332-5300
; TELEFAX: 612-332-9081
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 321 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE: Light chain variable region for monoclonal
; STRAIN: antibody 23F8
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..321
; OTHER INFORMATION: US-08-888-366-21

Query Match 1.4%; Score 16; DB 2; Length 321;
 Best Local Similarity 100.0%; Pred. No. 3.7e+02;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 586 TGAGGATCGAGACTGG 601
 Db 30 TGAGGATCGAGACTGG 15

RESULT 83 US-09-641-638-433/c

Sequence 433 Application US/09641638
 Patent No. 6432648
 GENERAL INFORMATION:
 APPLICANT: Blumentfeld, Marta
 APPLICANT: Bougueret, Lydie
 APPLICANT: Chumakov, Ilya
 APPLICANT: Cohen, Annick
 CURRENT APPLICATION NUMBER: US/09/641,638
 CURRENT FILING DATE: 2000-08-16
 PRIORITY APPLICATION NUMBER: US 60/133,200
 PRIORITY FILING DATE: 1999-05-07
 PRIORITY APPLICATION NUMBER: US 09/275,267
 PRIORITY FILING DATE: 1999-03-13
 PRIORITY APPLICATION NUMBER: US 60/119,917
 PRIORITY FILING DATE: 1999-02-12
 NUMBER OF SEQ ID NOS: 1304
 SOFTWARE: Patent .pm
 SEQ ID NO: 434
 LENGTH: 352
 TYPE: DNA
 ORGANISM: Homo Sapiens
 FEATURE:
 NAME/KEY: allele
 LOCATION: 250
 OTHER INFORMATION: 10-40-252 : polymorphic base C or T
 NAME/KEY: misc_binding
 LOCATION: 230..249
 OTHER INFORMATION: 10-40-252.mis1, potential
 NAME/KEY: misc_binding
 LOCATION: 251..270
 OTHER INFORMATION: 10-40-252.mis2, potential complement
 NAME/KEY: primer_bind
 LOCATION: 1..18
 OTHER INFORMATION: upstream amplification primer
 NAME/KEY: primer_bind
 LOCATION: 335..352
 OTHER INFORMATION: downstream amplification primer, complement
 NAME/KEY: misc_binding
 LOCATION: 238..262
 OTHER INFORMATION: 10-40-252 potential probe
 US-09-641-638-434

Query Match 1.4%; Score 16; DB 4; Length 352;
 Best Local Similarity 100.0%; Pred. No. 3.7e+02;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 896 CCCTCACTCCAGGCC 911
 Db 207 CCCTCACTCCAGGCC 192

RESULT 85 US-09-621-976-18404/c

Sequence 18404, Application US/09621976
 Patent No. 6639163
 GENERAL INFORMATION:
 APPLICANT: Dumas Milne Edwards, J.B.
 APPLICANT: Giordano, J.Y.
 APPLICANT: Jobert, S.
 TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 FILE REFERENCE: GENSET.054PR2
 CURRENT APPLICATION NUMBER: US/09/621,976
 CURRENT FILING DATE: 2000-07-21
 NUMBER OF SEQ ID NOS: 19335
 SOFTWARE: Patent .pm
 SEQ ID NO: 18404
 LENGTH: 391
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-621-976-18404

Query Match 1.4%; Score 16; DB 4; Length 391;

RESULT 84 US-09-641-638-434/c

Sequence 434 Application US/09641638
 Patent No. 6432648
 GENERAL INFORMATION:
 APPLICANT: Blumentfeld, Marta

Best Local Similarity 100.0%; Pred. No. 3.7e+02; Mismatches 0; Indels 0; Gaps 0;

SEQ ID NO 10
LENGTH: 408
TYPE: DNA
ORGANISM: SCID Mice
US-09-364-322A-10

Query Match Score 1.4%; Best Local Similarity 100.0%; Pred. No. 3.7e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 900 CACTCCAGGCCCTGGT 915
Db 179 CACTCAAGGCCCTGGT 164

RESULT 88
US-08-822-028-62
Sequence 62, Application US/08822028
Patent No. 5993813
GENERAL INFORMATION:
APPLICANT: MEZES, PETER S
APPLICANT: GOURLIE, BRIAN B
APPLICANT: RIXON, MARK W
APPLICANT: ANDERSON, WH KERR
APPLICANT: KAPLAN, DONALD A
APPLICANT: SCHOLOM, JEFFREY
TITLE OF INVENTION: A NOVEL FAMILY OF HIGH AFFINITY, MODIFIED ANTIBODIES FOR CANCER TREATMENT
NUMBER OF SEQUENCES: 74
CORRESPONDENCE ADDRESS:
ADDRESSEE: DUANE C ULMER
STREET: P.O. BOX 1967
CITY: MIDLAND
STATE: MICHIGAN
COUNTRY: USA
ZIP: 48641-1967
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOSS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/822,028
FILING DATE:
CLASSIFICATION:
PRIORITY NUMBER: US/08/822,028
ATTORNEY/AGENT INFORMATION:
NAME: ULMER, DUANE C
REGISTRATION NUMBER: 34,941
REFERENCE/DOCKET NUMBER: C-37,075C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (517) 636-8104
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 423 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
US-08-822-028-62

Query Match Score 1.4%; Best Local Similarity 100.0%; Pred. No. 3.7e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 157 CTGACTCGAGACAGAT 172
Db 283 CTGACTCGAGACAGAT 298

RESULT 89

US-08-479-285-62
 Sequence 62, Application US/08479285
 GENERAL INFORMATION:
 APPLICANT: MESES, PETER S
 APPLICANT: GOURLIE, BRIAN B
 APPLICANT: RIXON, MARK W
 APPLICANT: ANDERSON, WH KERR
 APPLICANT: KAPLAN, DONALD A
 APPLICANT: SCHLOM, JEFFREY
 TITLE OF INVENTION: A NOVEL FAMILY OF HIGH AFFINITY, MODIFIED ANTIBODIES FOR CANCER TREATMENT
 NUMBER OF SEQUENCES: 74
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: DUANE C ULMER
 STREET: P.O. BOX 1967
 CITY: MIDLAND
 STATE: MICHIGAN
 COUNTRY: USA
 ZIP: 48641-1967
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/479,285
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/040687
 FILING DATE: 31-MAR-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: ULMER, DUANE C
 REGISTRATION NUMBER: 34,941
 REFERENCE/DOCKET NUMBER: C-37,075C
 TELEPHONE: (517) 636-8104
 INFORMATION FOR SEQ ID NO: 62:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 423 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA to mRNA
 US-08-479-285-62
 Query Match 1.4%; Score 16; DB 3; Length 423;
 Best Local Similarity 100.0%; Pred. No. 3.7e+00;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 157 CTGACTGGAGACGAT 172
 Db 283 CTGACTGGAGACGAT 298

RESULT 90
 US-09-503-653A-62
 Sequence 62, Application US/09503653A
 GENERAL INFORMATION:
 APPLICANT: Mees, Peter S
 APPLICANT: Gourlie, Brian B
 APPLICANT: Rixon, Mark W
 APPLICANT: Anderson, Wh Kerr
 APPLICANT: Kaplan, Donald A
 APPLICANT: Schlam, Jeffrey
 TITLE OF INVENTION: Probing Method for Identifying Antibodies
 TITLE OF INVENTION: Specific for Selected Antigens
 FILE REFERENCE: 37075H-CIPI
 CURRENT APPLICATION NUMBER: US/09/503,653A
 CURRENT FILING DATE: 2000-02-14
 PRIOR APPLICATION NUMBER: US 08/040,687

US-08-479-285-62
 Sequence 62, Application US/08479285
 GENERAL INFORMATION:
 Pat. No. 6255458
 PRIOR APPLICATION NUMBER: US 07/424,362
 PRIOR FILING DATE: 1989-10-19
 PRIOR APPLICATION NUMBER: US 07/261,942
 PRIOR FILING DATE: 1988-10-24
 PRIOR APPLICATION NUMBER: US 07/259,943
 PRIOR FILING DATE: 1988-10-19
 NUMBER OF SEQ ID NOS: 74
 SOFTWARE: MICROSOFT Word 97 SR-2
 SEQ ID NO 62
 LENGTH: 423
 TYPE: DNA
 ORGANISM: Mus musculus
 FEATURE:
 NAME/KEY: V segment
 LOCATION: 1..423
 OTHER INFORMATION: Partial sequence of cDNA to vHATAG-analog mRNA from hybridoma AHC
 US-09-503-653A-62
 Query Match 1.4%; Score 16; DB 4; Length 423;
 Best Local Similarity 100.0%; Pred. No. 3.7e+00;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 157 CTGACTGGAGACGAT 172
 Db 283 CTGACTGGAGACGAT 298
 RESULT 91
 US-09-012-353-360/c
 Sequence 360, Application US/09042353
 Patent No. 6255458
 GENERAL INFORMATION:
 APPLICANT: Lonberg, Nils
 APPLICANT: Kay, Robert M.
 TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for Producing Heterologous Antibodies
 NUMBER OF SEQUENCES: 421
 CORESPONDENCE ADDRESS:
 ADDRESSEE: Townsend and Townsend and Crew LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 COUNTY: USA
 ZIP: 94111-3834
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/042,353
 FILING DATE: 13-MAR-1998
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/810,279
 FILING DATE: 17-DEC-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/853,408
 FILING DATE: 18-MAR-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/904,068
 FILING DATE: 23-JUN-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/990,860
 FILING DATE: 16-DEC-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/053,131
 FILING DATE: 26-APR-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/096,762
 FILING DATE: 22-JUL-1993
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/155,301
 FILING DATE: 18-NOV-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/161,739
 FILING DATE: 03-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/165,699
 FILING DATE: 10-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/209,741
 FILING DATE: 09-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/352,322
 FILING DATE: 07-DEC-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/544,404
 FILING DATE: 10-OCT-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/728,463
 FILING DATE: 10-OCT-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US96/16433
 FILING DATE: 10-OCT-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/758,417
 FILING DATE: 02-DEC-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/US97/21803
 FILING DATE: 01-DEC-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Apple, Randolph T.
 REGISTRATION NUMBER: 36,429
 REFERENCE/DOCKET NUMBER: 014643-009040 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INVENTORY FOR SEQ ID NO: 360:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 439 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 US-09-042-353-360

Query Match 1.4%; Score 16; DB 3; Length 439;

Best Local Similarity 100.0%; Pred. No. 3.7e+02;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 586 TAGGATGGAGCTGG 601
 Db 96 TGAGGATGGAGCTGG 81

RESULT 92

US-08-758-417A-208/C
 Sequence 208, Application US/08758417A
 Patent No. 6300129

GENERAL INFORMATION:

Kay, Robert M.

TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for Producing Heterologous Antibodies

NUMBER OF SEQUENCES: 417

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Clegg LLP
 STREET: Two Embarcadero Center, Eighth Floor
 CITY: San Francisco
 STATE: California
 ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER SYSTEM: PC compatible
 OPERATING SYSTEM: PC-POS/Ms-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/758,417A
 FILING DATE: 02-DEC-1996
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08//728,463
 FILING DATE: 10-OCT-1996
 APPLICATION NUMBER: US 08/544,404
 FILING DATE: 10-DEC-1995
 APPLICATION NUMBER: US 08/352,322
 FILING DATE: 07-DEC-1994
 APPLICATION NUMBER: US 08/209,741
 FILING DATE: 09-MAR-1994
 APPLICATION NUMBER: US 08/165,699
 FILING DATE: 10-DEC-1993
 APPLICATION NUMBER: US 08/161,739
 FILING DATE: 03-DEC-1993
 APPLICATION NUMBER: US 08/155,301
 FILING DATE: 18-NOV-1993
 APPLICATION NUMBER: US 08/096,762
 FILING DATE: 22-JUL-1993
 APPLICATION NUMBER: US 08/053,131
 FILING DATE: 26-APR-1993
 APPLICATION NUMBER: US 07/990,860
 FILING DATE: 16-DEC-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Serafini, Andrew T.
 REGISTRATION NUMBER: 41,303
 REFERENCE/DOCKET NUMBER: 014643-009030 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 576-0200
 TELEFAX: (415) 576-0300
 INFORMATION FOR SEQ ID NO: 208:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 439 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 SEQUENCE DESCRIPTION: SEQ ID NO: 208:
 US-08-758-417A-208

RESULT 93

Query Match 1.4%; Score 16; DB 4; Length 439;
 Best Local Similarity 100.0%; Pred. No. 3.7e+02;
 Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 586 TGAGGATGGAGCTGG 601
 Db 96 TGAGGATGGAGCTGG 81

RESULT 94

US-09-621-976-10604
 Sequence 10604, Application US/09621976
 Patent No. 6633063

GENERAL INFORMATION:

Applicant: Dunne Milne Edwards, J.B.

Applicant: Jobert, S.

Applicant: Giordano, J.Y.

Title of Invention: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET 054P#2
 CURRENT APPLICATION NUMBER: US/09/621,976
 CURRENT FILING DATE: 2000-07-21
 NUMBER OF SEQ ID NOS: 19335
 SEQ ID NO: 10604
 SOFTWARE: Patent.pm
 LENGTH: 480
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:

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; NAME/KEY: misc_feature
; LOCATION: 474
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-10604

Query Match      1.4%;  Score 16;  DB 4;  Length 480;
Best Local Similarity 100.0%;  Pred. No. 3.7e+02;  Mismatches 0;  Indels 0;  Gaps 0;
Matches 16;  Conservative 0;  Patents 0;  SEQ ID NO: 1012 CCTAACCTGAGACTGTG 1027
Db          106 CCTAACCTGAGACTGTG 121

RESULT 94
US-09-621-976-2590/c
; GENERAL INFORMATION:
;   Patent No. 6639053
;   Application US/09621976
;   CURRENT APPLICATION NUMBER: US/09/621, 976
;   NUMBER OF SEQ ID NOS: 19335
;   SOFTWARE: Patent.pm
;   SEQ ID NO: 2990
;   LENGTH: 497
;   TYPE: DNA
;   ORGANISM: Human Proteins.

Query Match      1.4%;  Score 16;  DB 4;  Length 579;
Best Local Similarity 100.0%;  Pred. No. 3.7e+02;  Mismatches 0;  Indels 0;  Gaps 0;
Matches 16;  Conservative 0;  Patents 0;  SEQ ID NO: 491
Db          379 AGCCCTGGTGGACCA 394

RESULT 96
US-09-328-352-491/c
; Sequence 491, Application US/09328352
;   Patient No. 6552958
;   GENERAL INFORMATION:
;     APPLICANT: Gary L. Breton et al.
;     TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
;     TITLE OF INVENTION: BADMANNI FOR DIAGNOSTICS AND THERAPEUTICS
;     FILE REFERENCE: GTC99-03PA
;     CURRENT APPLICATION NUMBER: US/09/328, 352
;     CURRENT FILING DATE: 1999-06-04
;     NUMBER OF SEQ ID NOS: 8252
;     SEQ ID NO: 491
;     LENGTH: 579
;     TYPE: DNA
;     ORGANISM: Acinetobacter baumannii
US-09-328-352-491

Query Match      1.4%;  Score 16;  DB 4;  Length 579;
Best Local Similarity 100.0%;  Pred. No. 3.7e+02;  Mismatches 0;  Indels 0;  Gaps 0;
Matches 16;  Conservative 0;  Patents 0;  SEQ ID NO: 491
Db          384 TCTGCTGAGGAACAT 399

Query Match      1.4%;  Score 16;  DB 4;  Length 594;
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Matches 16;  Conservative 0;  Patents 0;  SEQ ID NO: 229 TCTGCTGAGGAACAT 214
Db          229 TCTGCTGAGGAACAT 214

RESULT 97
US-09-252-991A-11119
; Sequence 11119, Application US/09252991A
;   Patent No. 6551795
;   GENERAL INFORMATION:
;     APPLICANT: Marc J. Rubenfield et al.
;     TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;     TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;     FILE REFERENCE: 107196 136
;     CURRENT APPLICATION NUMBER: US/09/252, 991A
;     CURRENT FILING DATE: 1999-02-18
;     PRIOR APPLICATION NUMBER: US 60/074, 788
;     PRIOR FILING DATE: 1998-02-18
;     NUMBER OF SEQ ID NOS: 33142
;     SEQ ID NO: 11119
;     LENGTH: 594
;     TYPE: DNA
;     ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-11119

Query Match      1.4%;  Score 16;  DB 4;  Length 594;
Best Local Similarity 100.0%;  Pred. No. 3.7e+02;  Mismatches 0;  Indels 0;  Gaps 0;
Matches 16;  Conservative 0;  Patents 0;  SEQ ID NO: 1532
Db          506 GCGTGGCCCTGGCCA 521

RESULT 98
US-09-252-991A-12620
; Sequence 12620, Application US/09252991A
;   Patent No. 6551795
;   GENERAL INFORMATION:
;     APPLICANT: Marc J. Rubenfield et al.
;     TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;     TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;     FILE REFERENCE: 107196 136
;     CURRENT APPLICATION NUMBER: US/09/252, 991A
;     CURRENT FILING DATE: 1999-02-18
;     PRIOR APPLICATION NUMBER: US 60/094, 190
;     PRIOR FILING DATE: 1998-07-27
;     NUMBER OF SEQ ID NOS: 33142
;     SEQ ID NO: 1532
;     LENGTH: 546
;     TYPE: DNA
;     ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1532

Query Match      1.4%;  Score 16;  DB 4;  Length 546;
Best Local Similarity 100.0%;  Pred. No. 3.7e+02;  Mismatches 0;  Indels 0;  Gaps 0;
Matches 16;  Conservative 0;  Patents 0;  SEQ ID NO: 1532
Db          906 AGGCCCTGCTGACCA 921

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P PRIOR APPLICATION NUMBER: US 60/074,788
P PRIOR FILING DATE: 1998-07-18
P PRIOR APPLICATION NUMBER: US 60/094,190
P PRIOR FILING DATE: 1998-07-27
P NUMBER OF SEQ ID NOS: 33142
P SEQ ID NO 12620
P LENGTH: 615
P TYPE: DNA
P ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12620

RESULT 99
Query Match 1.4%; Score 16; DB 4; Length 615;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1057 GGACAGCTCCCTCCCTG 1072
Db 234 GGACAGCTCCCTCCCTG 249

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RESULT 99
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Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1071 991A-9984/C
Db 234 TGTCGAAGGCCAGGA 255

Search completed: July 25, 2004, 02:26:22
Job time : 117 secs

P GENERAL INFORMATION:
P Sequence 9984, Application US/09252991A
P Patent No. 6551795
P APPLICANT: Marc J. Rubenfield et al.
P TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
P TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
P FILE REFERENCE: 107196_136
P CURRENT APPLICATION NUMBER: US/09/252,991A
P CURRENT FILING DATE: 1999-02-18
P PRIOR APPLICATION NUMBER: US 60/074,788
P PRIOR FILING DATE: 1998-02-18
P PRIOR APPLICATION NUMBER: US 60/094,190
P PRIOR FILING DATE: 1998-07-27
P NUMBER OF SEQ ID NOS: 33142
P SEQ ID NO 9984
P LENGTH: 651
P TYPE: DNA
P ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9984

RESULT 100
Query Match 1.4%; Score 16; DB 4; Length 651;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 454 TGTCGAAGGCCAGGA 459
Db 270 TGTCGAAGGCCAGGA 255

Search completed: July 25, 2004, 02:26:22
Job time : 117 secs

RESULT 100
Query Match 1.4%; Score 16; DB 4; Length 654;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 506 GCCGTGGCCCTGGCA 521
Db 206 GCGTGGCCCTGGCA 221

Search completed: July 25, 2004, 02:26:22
Job time : 117 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: July 25, 2004, 02:06:17 ; Search time 598 Seconds

(without alignments)
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Title: US-09-939-853A-74

Perfect score: 1183

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Scoring table: OLIGO NUC Gapext 60.0 , Gapext 60.0

Searched: 3216467 seqs, 244414964 residues

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Total number of hits satisfying chosen Parameters: 6432934

Minimum DB seq length: 0

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Post-processing: Listing first 300 summaries

Database : Published Applications NA:*

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19: /cgns_6/_ptodata/1/pubna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	735	62.1	786	15	US-10-043-659-1		Sequence 1, App1
4	724	61.2	864	10	US-09-814-353-21302		Sequence 21302, A
5	657	55.5	763	9	US-09-867-550-953		Sequence 953, App
6	468	39.6	1413	17	US-10-115-635-120		Sequence 120, App
7	348	29.4	444	9	US-09-867-550-951		Sequence 951, App
8	341	28.8	875	9	US-09-867-550-1915		Sequence 1915, App
9	279	11.3	432	9	US-09-864-761-2829		Sequence 2829, App
10	134	11.3	448	9	US-09-864-761-15513		Sequence 15513, A
11	96	8.1	96	9	US-09-864-761-19612		Sequence 19612, A
12	87	7.4	320	10	US-09-814-353-1734		Sequence 17314, A
13	77	6.5	152	10	US-09-814-353-4631		Sequence 4631, App
14	77	6.5	152	10	US-09-814-353-10930		Sequence 10930, A

c	15	2.2	13	US-09-939-853A-141	Sequence 141, App	
c	16	2.2	13	US-09-939-853A-142	Sequence 142, App	
c	17	1.8	701	16	US-10-062-674-2188	Sequence 2188, App
c	18	2.0	1.7	US-10-027-632-145852	Sequence 195852,	
c	19	2.0	1.7	US-10-027-632-145852	Sequence 195852,	
c	20	2.0	1.7	US-10-027-632-145852	Sequence 195852,	
c	21	2.0	1.7	US-10-027-632-145852	Sequence 195852,	
c	22	2.0	1.7	US-10-027-632-145852	Sequence 195852,	
c	23	2.0	1.7	US-10-027-632-145852	Sequence 195852,	
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c	26	2.0	1.7	US-10-027-632-145852	Sequence 195852,	
c	27	2.0	1.7	US-10-027-632-145859	Sequence 142059,	
c	28	2.0	1.7	US-10-027-632-145860	Sequence 142060,	
c	29	2.0	1.7	US-10-027-632-145860	Sequence 142060,	
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c	31	2.0	1.7	US-10-026-238-640	Sequence 640, App	
c	32	2.0	1.7	US-09-997-722-234	Sequence 234, App	
c	33	2.0	1.7	US-09-437-963-39229	Sequence 39229, A	
c	34	2.0	1.7	US-10-316-515-76	Sequence 76, App1	
c	35	2.0	1.7	US-10-062-674-11776	Sequence 1776, App	
c	36	2.0	1.7	US-10-099-722-233	Sequence 233, App	
c	37	2.0	1.7	US-10-036-288-27	Sequence 27, App1	
c	38	2.0	1.7	US-10-316-515-4	Sequence 4, App1	
c	39	2.0	1.7	US-10-099-722-232	Sequence 232, App	
c	40	2.0	1.7	US-10-085-020-3	Sequence 3, App11	
c	41	2.0	1.7	US-10-960-706-954	Sequence 954, App	
c	42	2.0	1.7	US-10-305-720-14552	Sequence 1452, App	
c	43	2.0	1.7	US-10-099-799-237	Sequence 75, App1	
c	44	2.0	1.7	US-10-099-722-232	Sequence 237, App	
c	45	2.0	1.7	US-177597	Sequence 1438, App	
c	46	2.0	1.7	US-10-087-192-1438	Sequence 3, App11	
c	47	1.9	1.6	US-10-09-908-761-20	Sequence 118578,	
c	48	1.9	1.6	US-10-09-908-761-21	Sequence 118578,	
c	49	1.9	1.6	US-10-09-864-761-510	Sequence 53347, A	
c	50	1.9	1.6	US-09-864-761-13565	Sequence 11, App1	
c	51	1.9	1.6	US-09-789-561-20	Sequence 25, App1	
c	52	1.9	1.6	US-10-027-632-118578	Sequence 118578,	
c	53	1.9	1.6	US-10-024-599-55347	Sequence 1133, A	
c	54	1.9	1.6	US-10-072-602B-237	Sequence 1467, 15	
c	55	1.9	1.6	US-10-154-358-11	Sequence 25, App1	
c	56	1.9	1.6	US-10-280-1576-25	Sequence 11, App1	
c	57	1.9	1.6	US-10-126-962-1	Sequence 25, App1	
c	58	1.9	1.6	US-10-09-976-782-25	Sequence 11, App1	
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c	67	1.9	1.6	US-10-09-738-626-3261	Sequence 3261, App	
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c	70	1.8	1.5	US-10-43-963-47957	Sequence 47957, A	
c	71	1.8	1.5	US-10-027-632-19591	Sequence 96032, A	
c	72	1.8	1.5	US-10-027-632-19591	Sequence 84460, A	
c	73	1.8	1.5	US-10-09-918-995-38019	Sequence 1815, App	
c	74	1.8	1.5	US-09-983-965-1815	Sequence 2773, App	
c	75	1.8	1.5	US-10-43-963-35410	Sequence 195991, A	
c	76	1.8	1.5	US-10-027-632-19591	Sequence 195991, A	
c	77	1.8	1.5	US-10-027-632-19591	Sequence 26739, A	
c	78	1.8	1.5	US-10-09-918-995-38019	Sequence 38019, A	
c	79	1.8	1.5	US-10-09-918-995-38019	Sequence 38019, A	
c	80	1.8	1.5	US-10-09-918-995-38019	Sequence 38019, A	
c	81	1.8	1.5	US-10-027-632-270409	Sequence 270409,	
c	82	1.8	1.5	US-10-027-632-270409	Sequence 270409,	
c	83	1.8	1.5	US-10-027-632-284511	Sequence 284511,	
c	84	1.8	1.5	US-10-027-632-284511	Sequence 284511,	
c	85	1.8	1.5	US-10-027-632-284511	Sequence 284511,	
c	86	1.8	1.5	US-10-027-632-284511	Sequence 284511,	
c	87	1.8	1.5	US-10-027-632-284511	Sequence 284511,	

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c	27	2.2	13	US-10-027-632-142059	Sequence 142059,
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c	32	2.2	13	US-10-027-632-142059	Sequence 142059,
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c	88	18	531	13	US-10-027-632-143162	Sequence 143162,	161	18	1.5	1579	13	US-10-206-924-441	Sequence 441, APP	
c	89	18	531	16	US-10-027-632-143161	Sequence 143161,	162	18	1.5	1579	13	US-10-206-914-441	Sequence 441, APP	
c	90	18	531	16	US-10-027-632-143162	Sequence 143162,	163	18	1.5	1579	13	US-10-207-914-441	Sequence 441, APP	
c	91	18	535	15	US-10-029-386-4315	Sequence 315, APP	164	18	1.5	1579	13	US-10-207-921-441	Sequence 441, APP	
c	92	18	544	9	US-09-764-853-86	Sequence 86, APP	165	18	1.5	1579	13	US-10-208-027-441	Sequence 441, APP	
c	93	18	561	13	US-10-027-632-282391	Sequence 282391,	166	18	1.5	1579	13	US-10-174-577-441	Sequence 441, APP	
c	94	18	561	16	US-10-027-632-282391	Sequence 282391,	167	18	1.5	1579	13	US-10-174-577-441	Sequence 441, APP	
c	95	18	578	13	US-10-027-632-72725	Sequence 72725, A	168	18	1.5	1579	13	US-10-173-005-441	Sequence 441, APP	
c	96	18	584	15	US-10-029-386-6891	Sequence 6891, APP	169	18	1.5	1579	13	US-10-173-342-8	Sequence 441, APP	
c	97	18	608	13	US-10-027-632-264852	Sequence 264852,	170	18	1.5	1579	14	US-10-012-706-441	Sequence 441, APP	
c	98	18	608	16	US-10-027-632-264852	Sequence 264852,	171	18	1.5	1579	14	US-10-016-041-8	Sequence 8, APP	
c	99	18	690	17	US-10-037-963-93227	Sequence 93227, A	172	18	1.5	1579	15	US-10-015-855-8	Sequence 8, APP	
c	100	18	1.5	718	13	US-10-027-632-162462	Sequence 162462,	173	18	1.5	1579	15	US-10-174-590-441	Sequence 441, APP
c	101	18	1.5	717	16	US-10-027-632-162462	Sequence 162462,	174	18	1.5	1579	15	US-10-176-758-441	Sequence 441, APP
c	102	18	1.5	718	13	US-10-037-632-145544	Sequence 144544,	175	18	1.5	1579	15	US-10-175-737-441	Sequence 441, APP
c	103	18	1.5	718	13	US-10-027-632-145544	Sequence 144544,	176	18	1.5	1579	15	US-10-175-731-441	Sequence 441, APP
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c	105	18	1.5	718	16	US-10-037-632-145545	Sequence 144545,	178	18	1.5	1579	15	US-10-175-752-441	Sequence 441, APP
c	106	18	1.5	823	13	US-10-027-632-2220	Sequence 325220,	179	18	1.5	1579	15	US-10-176-742-441	Sequence 441, APP
c	107	18	1.5	823	13	US-10-027-632-355447	Sequence 325447,	180	18	1.5	1579	15	US-10-176-757-441	Sequence 441, APP
c	108	18	1.5	823	16	US-10-037-632-325200	Sequence 325200,	181	18	1.5	1579	15	US-10-176-913-441	Sequence 441, APP
c	109	18	1.5	823	16	US-10-037-632-325200	Sequence 325447,	182	18	1.5	1579	15	US-10-176-173-441	Sequence 441, APP
c	110	18	1.5	858	13	US-10-027-632-172936	Sequence 172936,	183	18	1.5	1579	15	US-10-175-739-441	Sequence 441, APP
c	111	18	1.5	858	16	US-10-027-632-172936	Sequence 172936,	184	18	1.5	1579	15	US-10-176-700-441	Sequence 441, APP
c	112	18	1.5	898	17	US-10-037-632-172936	Sequence 600, APP	185	18	1.5	1579	15	US-10-174-572-441	Sequence 441, APP
c	113	18	1.5	944	13	US-10-024-591-665666	Sequence 66566, A	186	18	1.5	1579	15	US-10-174-579-441	Sequence 441, APP
c	114	18	1.5	999	13	US-10-027-632-120486	Sequence 120486,	187	18	1.5	1579	15	US-10-174-582-441	Sequence 441, APP
c	115	18	1.5	999	16	US-10-037-632-120486	Sequence 120486,	188	18	1.5	1579	15	US-10-174-588-441	Sequence 441, APP
c	116	18	1.5	1194	16	US-10-027-632-120486	Sequence 216, APP	189	18	1.5	1579	15	US-10-175-739-441	Sequence 441, APP
c	117	18	1.5	1232	13	US-10-025-114-28115	Sequence 28115, A	190	18	1.5	1579	15	US-10-176-750-441	Sequence 441, APP
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c	119	18	1.5	1438	9	US-09-997-701-4	Sequence 4, APP	192	18	1.5	1579	15	US-10-176-484-441	Sequence 441, APP
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c	123	18	1.5	1579	13	US-10-176-935-441	Sequence 441, APP	196	18	1.5	1579	15	US-10-176-981-441	Sequence 441, APP
c	124	18	1.5	1579	13	US-10-199-670-1281	Sequence 441, APP	197	18	1.5	1579	15	US-10-176-932-441	Sequence 441, APP
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c	144	18	1.5	1579	13	US-10-195-710-441	Sequence 441, APP	217	18	1.5	1579	15	US-10-176-962-441	Sequence 441, APP
c	145	18	1.5	1579	13	US-10-195-836-441	Sequence 441, APP	218	18	1.5	1579	15	US-10-176-968-441	Sequence 441, APP
c	146	18	1.5	1579	13	US-10-196-744-441	Sequence 441, APP	219	18	1.5	1579	15	US-10-176-974-441	Sequence 441, APP
c	147	18	1.5	1579	13	US-10-196-755-441	Sequence 441, APP	220	18	1.5	1579	15	US-10-180-543-441	Sequence 441, APP
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c	153	18	1.5	1579	13	US-10-199-304-441	Sequence 441, APP	226	18	1.5	1579	15	US-10-180-564-441	Sequence 441, APP
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c	155	18	1.5	1579	13	US-10-199-313-441	Sequence 441, APP	228	18	1.5	1579	15	US-10-180-566-441	Sequence 441, APP
c	156	18	1.5	1579	13	US-10-199-456-441	Sequence 441, APP	229	18	1.5	1579	15	US-10-180-567-441	Sequence 441, APP
c	157	18	1.5	1579	13	US-10-201-319-441	Sequence 441, APP	230	18	1.5	1579	15	US-10-184-614-441	Sequence 441, APP
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284	18	1.5	1579	15	US-10-188-767-441
285	18	1.5	1579	15	US-10-188-769-441
286	18	1.5	1579	15	US-10-188-770-441
287	18	1.5	1579	15	US-10-188-773-441
288	18	1.5	1579	15	US-10-188-781-441
289	18	1.5	1579	15	US-10-194-361-441
290	18	1.5	1579	15	US-10-194-422-441
291	18	1.5	1579	15	US-10-195-897-441
292	18	1.5	1579	15	US-10-195-901-441
293	18	1.5	1579	15	US-10-195-902-441
294	18	1.5	1579	15	US-10-196-742-441
295	18	1.5	1579	15	US-10-196-750-441
296	18	1.5	1579	15	US-10-173-708-441
297	18	1.5	1579	15	US-10-176-379-441
298	18	1.5	1579	15	US-10-176-748-441
299	18	1.5	1579	15	US-10-176-916-441
300	18	1.5	1579	15	US-10-179-507-441

RESULT 1

661	CAAAGTCTCCATGGGCTGTAGGGAGAAAGAAGGAACCTGT	720	Db	1123	CCTTCCTCCCTGGCTGGCTGTGGCTGAGAGATGCTAGGT	1064
661	CAAAGTCTCCATGGGCTGTAGGGAGAAAGAAGGAACCTGT	720	Qy	121	CATGGGGAGGTGATGCCATCCCTGGTACAACGTGTAGCTAGGT	180
721	GTTGTTACTGGAAACCTGGGGCTTCCTCATCGGGAGGCCAGACGGAGG	780	Db	1063	CATGGGGAGGTGATCCATCCCTGGTACAACGTGTAGCTAGGT	1004
721	GTTGTTACTGGAAACCTGGGGCTTCCTCATCGGGAGGCCAGACGGAGG	780	Qy	181	ACCCAACCAACCTGGGGCTTCCTCATCGGGAGGCCAGACGGAGG	944
781	CTCTTACTCTCTGTCAGTCGCCCAGGGCCATCGACAGACATA	840	Db	1063	ACCCAACCAACCTGGGGCTTCCTCATCGGGAGGCCAGACGGAGG	300
781	CTCTTACTCTCTGTCAGTCGCCCAGGGCCATCGACAGACATA	840	Qy	241	TCTTAGGACCAAGGACACTGGGAGACTTCCAGAACGCCCCAAAGGCC	884
841	CAGGATCCTGCTGCTTGAATGGCTGGCTGACATCGACCGGCCTCACCTT	900	Db	943	TCTTAGGACCAAGGACACTGGGAGACTTCCAGAACGCCCCAAAGGCC	884
841	CAGGATCCTGCTTGAATGGCTGGCTGACATCGACCGGCCTCACCTT	900	Qy	301	GCCAGAGAGATGCTCTGAGAGCTCTCCAAACCCATTTC	360
901	ACTCAGGGCCCTGTGGACCAATTACTCGAGCTGGGATGACATCTG	960	Db	883	GCCAGAGAGATGCTCTCCAAACCCATTTC	824
901	ACTCAGGGCCCTGTGGACCAATTACTCGAGCTGGGATGACATCTG	960	Qy	361	CTTGATGATGTTGCTGAGTGTGTTCTGAGTGTGCTGAGCTGGAG	420
901	ACTCAGGGCCCTGTGGACCAATTACTCGAGCTGGGATGACATCTG	960	Db	823	CTTGATGATGTTGCTGAGTGTGCTGAGCTGGAGAAATGGAAAC	764
961	GGAGGCCCTGTCTGAGGGCTGCCCCCTGCAAGGATAACCCTTACCTG	1020	Qy	421	AAAATCTGCTGCCAAGGCCAGCTCTGCTCAAGGCCAGGGACCTGTG	480
961	GGAGGCCCTGTCTGAGGGCTGCCCCCTGCAAGGATAACCCTTACCTG	1020	Db	763	AAAATCTGCTGCCAAGGCCAGCTCTGCTCAAGGCCAGGGACCTGTG	704
1021	GACTGTGAGGGACCCACTAAGCTGGAAAGGCTGGCAGCTCCCTC	1080	Qy	481	GGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	540
1021	GACTGTGAGGGACCCACTAAGCTGGAAAGGCTGGCAGCTCCCTC	1080	Db	703	GGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG	644
1081	AGCTGCCATGGGGAGGAGTCTCTCGTGGAGTCTCGGGAGTCCAGCTCA	1140	Qy	541	GGCGGAGCTGTGGCTGAGACTCGGGAGCCATTGCACTGCTGAGCTG	600
1081	AGCTGCCATGGGGAGGAGTCTCTCGTGGAGTCTCGGGAGTCCAGCTCA	1140	Db	643	GGCGGAGCTGTGGCTGAGACTCGGGAGCCATTGCACTGCTGAGCTG	584
1141	CATAGGCTGAATGAGGAGCTGTTGATGGCTAGTGGCTAG	1183	Qy	601	GTGCAAGGTGCTCTGAGTGTGAGCTGAGGAGGATAAACATCC	660
1141	CATAGGCTGAATGAGGAGCTGTTGATGGCTAGTGGCTAG	1183	Db	583	GTGCAAGGTGCTCTGAGTGTGAGCTGAGGAGGATAAACATCC	524
			Qy	661	CAAAGTCCTCCATGGGTGCTGATGGCTGGCTGAGCCAGAGAGAA	720
			Db	523	CAAAGTCCTCCATGGGTGCTGATGGCTGGCTGAGCCAGAGAGAA	464
			Qy	721	GTGTTACTCTGGAAACCTGGAGGGCCCTTCATCCTGGAGAGAGAG	780
			Db	463	GTGTTACTCTGGAAACCTGGAGGGCCCTTCATCCTGGAGAGAGAG	404
			Qy	781	CCTTTACTCTGTCACTGCTGCTCACTGGCCCTGATCTGGAGCCGAT	840
			Db	403	CCTTTACTCTGTCACTGCTGCTCACTGGCCCTGATCTGGAGCCGAT	344
			Qy	841	CAGGATCCACTGCTGACAATGGCTGCTGACAATGCTACCCGGCTC	900
			Db	343	CAGGATCCACTGCTGACAATGCTGCTGACAATGCTACCCGGCTC	284
			Qy	901	ACTCAGGCCCTGTTGGACCAATTACTCTGAGCTGGGGATGACAT	960
			Db	283	ACTCAGGCCCTGTTGGACCAATTACTCTGAGCTGGGGATGACAT	224
			Qy	961	GGACCCCTGTCTGGCTGGAGGGCTGGCCAGGATAACCCTTACCTGT	1020
			Db	223	GGACCCCTGTCTGGCTGGAGGGCTGGCCAGGATAACCCTTACCTGT	164
			Qy	1021	GACTGTGAGGAGACCCACTCACTGGAAAGGGCTGGACAGCTGCT	1080
			Db	163	GACTGTGAGGAGACCCACTCACTGGAAAGGGCTGGACAGCTGCT	104
			Qy	1081	AGCTGCCAGGGGGGGAGGCTCTCTGAGTGTGAGCTGCTGCT	1140
			Db	103	AGCTGCCAGGGGGGGAGGCTCTCTGAGTGTGAGCTGCTGCT	44
			Qy	1141	CATGCCCTCCCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1183
			Db	43	CATGCCCTCCCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	1
61	CTCTCCCTCCCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG	120	Qy	1183	AGCTAGGCTGACGGCCACGCTGCTGAGGCTGCTGAGGCTG	1124

RESULT 3									
US-10-043-649-1									
Sequence 1, Application US/10043649 Publication No. US2003005994A1									
GENERAL INFORMATION:									
APPLICANT: Holland, Sacha J.									
APPLICANT: Mendenhall, Marcy K.									
APPLICANT: Pardo, Jorge									
APPLICANT: Spenger, Collin									
APPLICANT: Fu, C. Alan									
APPLICANT: Luo, Ying									
APPLICANT: Payan, Donald G.									
APPLICANT: Mancebo, Helena S.Y.									
APPLICANT: Wu, Jun									
APPLICANT: Zhou, Xiulan									
APPLICANT: Shen, Mary									
APPLICANT: Liao, X. Charlene									
APPLICANT: Sheng, Ning									
TITLE OF INVENTION: Cloning of a No. US2003005994A1el Inhibitor of Antigen-receptor									
TITLE OF INVENTION: Retroviral-based Functional Screen									
FILE REFERENCE: A-70219-11.RMS/DHR									
CURRENT APPLICATION NUMBER: US/10/043, 649									
CURRENT FILING DATE: 2002-01-10									
PRIOR APPLICATION NUMBER: US 60/260,953									
PRIOR FILING DATE: 2001-01-10									
NUMBER OF SEQ ID NOS: 3									
SOFTWARE: Patentin version 3.1									
SEQ ID NO: 1									
LENGTH: 786									
TYPE: DNA									
ORGANISM: Homo sapiens									
FEATURE: CDS									
NAME/KEY: CDS									
LOCATION: (1) .. (786)									
OTHER INFORMATION:									
US-10-043-649-1									
Query	Match	Score	735;	DB	15;	Length	786;		
	Best Local Similarity	92.1%		Pred.	No.	0;			
	Matches	785;	Conservative	0;	Mismatches	1;	Indels	0;	Gaps
									0;
Qy	398	ATGGAAAGTCGCCAGCAGAGAAATCTGCCAAGGCCAAAGCTGTGACTCGTCAAGCTTGCTCTGTGTC 457							
Ds	1	ATGGAAAGTCGCCAGCAGAGAAATCTGCCAAGGCCAAAGCTGTGACTCGTCAAGCTTGCTCTGTGTC 60							
Qy	458	CAAGGCCAGGGACCTGTGACCATGGAAAGCTGTGACTCGTCAAGCTTGCTCTGTGTC 517							
Ds	61	CAAGGCCAGGGACCTGTGACCATGGAAAGCTGTGACTCGTCAAGCTTGCTCTGTGTC 120							
Qy	518	GGCACTTCCGGCAGGTGGTGAAGCTGTGACTCGTCAAGCTTGCTCTGTGTC 577							
Ds	121	GGCACTTCCGGCAGGTGGTGAAGCTGTGACTCGTCAAGCTTGCTCTGTGTC 180							
Qy	578	ATCGTGTCTAGGATGAGACTGGTGAAGCTGTGACTCGTCAAGCTTGCTCTGTGTC 637							
Ds	181	ATCGTGTCTAGGATGAGACTGGTGAAGCTGTGACTCGTCAAGCTTGCTCTGTGTC 240							
Qy	638	AACTATCCCAGCGTCCACCGTGGCCAAGCTCCATGGGGCTGTATGGGGCTGAGC 697							
Ds	241	AACTATCCCAGCGTCCACCGTGGCCAAGCTCCATGGGGCTGTATGGGGCTGAGC 300							
Qy	698	AGGGAGAAAGCAAGGAACCTGCTGTGTTACCTGGAAACTCTGGAGGGCCCTTCCTCATC 757							
Ds	361	AGGGAGAAAGCAAGGAACCTGCTGTGTTACCTGGAAACTCTGGAGGGCCCTTCCTCATC 360							
Qy	758	CGGGAGGCGAACAGGAGAGGCTTAATCTGTGCTCTGTGCTCTGTGTC 817							
Ds	361	CGGGAGGCGAACAGGAGAGGCTTAATCTGTGCTCTGTGCTCTGTGTC 420							
Qy	818	TCCCTGGGACGGATTCAGACAATCAGGATCCACTCCCTGACATACTGGCTGCTAC 877							

/ APPLICANT: Wehrman, Tom
 / ; DRIMAC, Radioje T.
 / TITLE OF INVENTION: Novel Nucleic Acids and
 / TITLE OF INVENTION: Polypeptides
 / FILE REFERENCE: 797CON
 / CURRENT APPLICATION NUMBER: US/10/115,635
 / CURRENT FILING DATE: 2002-04-03
 / PRIORITY APPLICATION NUMBER: 09/714,936
 / PRIORITY FILING DATE: 2000-11-17
 / NUMBER OF SEQ ID NOS: 362
 / SOFTWARE: pc_Fl_genes Version 2.0
 / SEQ ID NO: 120
 / LENGTH: 1413
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (54) .. (686)
 / US-10-115-635-120

	Query	Match	Score	Length	Best Local Similarity	Pred.	No.	Match	
	Qy	345	TGACAAACCAATTCCCTGATGATGTGCCTCT	39.6%	Score 468;	D	8.1	Mismatches	
	Db	1	TGACAAACCAATTCCCTGATGATGTGCCTCT	99.6%	Pred.	No.	0;	Mismatches	
	Qy	405	GTCGGCCAGGAGAGAAAATCTCTGCCAAGCCC						
	Db	61	GTCGGCCAGGAGAGAAAATCTCTGCCAAGCCC						
	Qy	465	AGGGACTCTGTCACATGGAAAGCAGAGAGAACAA						
	Db	121	AGGGACTCTGTCACATGGAAAGCAGAGAGAACAA						
	Qy	525	TCCCGCAGGGGGCGCCGAAGTCTCCATGGGTGAA						
	Db	181	TCCCGCAGGGGGCGCCGAAGTCTCCATGGGTGAA						
	Qy	585	CTGAGGATGGAGACTCTGGACGGCTGTCTGTGAA						
	Db	241	CTGAGGATGGAGACTCTGGACGGCTGTCTGTGAA						
	Qy	645	CCAGCSTCCACGTGGCAAGTCTCCATGGGTGAA						
	Db	301	CCAGCSTCCACGTGGCAAGTCTCCATGGGTGAA						
	Qy	705	AAGCACAGGAACTGTGTTTACCTGGAAACCC						
	Db	361	AAGCACAGGAACTGTGTTTACCTGGAAACCC						
	Qy	765	GCCAGACGGAGGCTCTTACTCTGTGAG						
	Db	421	GCCAGACGGAGGCTCTTACTCTGTGAG						
	Qy	825	ACCGGATCAGACATCAAGGATCAGCTGCTTG						
	Db	481	ACCGGATCAGACATCAAGGATCAGCTGCTTG						
	Qy	885	GCCTCACCTCCCCCACTCGGCCCTGG 91						
	Db	541	GCCTCACCTCCCCCACTCGGCCCTGG 57						

RESULT 7
US-09-867-550-951
Sequence 951 Application US/09867550
; Sequence 951 Application US/09867550
; Patent No. US2002018226A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuaad,
; APPLICANT: Pamela Conley

; / APPLICANT: Law, Debbie
; / APPLICANT: Topper, James
; / TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; / Title of Invention: Thereby
; / FILE REFERENCE: 21492-013 (Cura-313)
; / CURRENT APPLICATION NUMBER: US-A/09/867,550
; / CURRENT FILING DATE: 2001-09-20
; / PRIOR APPLICATION NUMBER: USSN 60/208,427
; / PRIOR FILING DATE: 2000-05-30
; / NUMBER OF SEQ ID NOS: 2125
; / SOFTWARE: FastSEQ for Windows Version 4.0
; / SEQ ID NO: 951
; / LENGTH: 444
; / TYPE: DNA
; / ORGANISM: Homo sapiens
US-09-867-550-951

US-09-867-550-1915
 Query Match 28.8%; Score 341; DB 9; Length 875;
 Best Local Similarity 100.0%; Pred. No. 7.9e-164;
 Matches 341; Conservative 0; Mismatches 0; Gaps 0;

Qy 843 GGTCCAGTGCCTGACATGGTACATCTACCGGCCCTACCTTCCCTCAC 902
 Db 2 GATTCAGTGCCTGACATGGTACATCTACCGGCCCTACCTTCCCTCAC 61

Qy 903 TCCAGGCTCTGGGACCAATTACTCTGAGCTGGCTACTCAAGG 962
 Db 62 TCCAGGCTCTGGGACCAATTACTCTGAGCTGGCTACTCAAGG 121

Qy 963 AGCCCTGTCTCCCTGAGGGCTGCCGCTCCCTGCAAGGATAACCCCTACTGTGA 1022
 Db 122 AGCTGTCTGGTCCCTGAGGGCTGCCGCTCCCTGCAAGGATAACCCCTACTGTGA 181

Qy 1023 CTGTGCAAGGACCACTCACTGGAAGAGCTGGACAGCTCCCTGTTCTGAG 1082
 Db 182 CTGTGCAAGGACCACTCACTGGAAGAGCTGGACAGCTCCCTGTTCTGAG 241

Qy 1083 CTCGACAGGGAGGAGTCCTCTCAGTAGGGCTTCGGAGGACCTCAGGCTCTACA 1142
 Db 242 CTCGACAGGGAGGAGTCCTCTCAGTAGGGCTTCGGAGGACTCTACA 301

Qy 1143 TCAAGCTGATAGCAGGGCTGCTCTGGATGATGCTAG 1183
 Db 302 TCAAGCTGATAGCAGGGCTGCTCTGGATGATGCTAG 342

RESULT 9
 US-09-864-761-2829
 Sequence 28.9%, Application US/09864761
 Patent No. US20020048763A1

GENERAL INFORMATION:
 APPLICANT: Penn, Sharron G.
 APPLICANT: Rank, David R.
 APPLICANT: Hanzel, David K.
 APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 FILE REFERENCE: Aemica-X-1

CURRENT APPLICATION NUMBER: US/09/864-761
 CURRENT FILING DATE: 2001-05-23
 PRIOR APPLICATION NUMBER: US 60/180,312
 PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456
 PRIOR FILING DATE: 2000-05-16
 PRIOR APPLICATION NUMBER: US 632,366
 PRIOR APPLICATION NUMBER: GB 24263.6
 PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,59
 PRIOR FILING DATE: 2000-09-27
 PRIOR APPLICATION NUMBER: PCT/US01/00666
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667
 PRIOR FILING DATE: 2001-01-10
 PRIOR APPLICATION NUMBER: PCT/US01/00668
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00669
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00666
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-10
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-10

RESULT 10
 US-09-864-761-15513
 Sequence 15.13%, Application US/09864761
 Patent No. US20020048763A1

GENERAL INFORMATION:
 APPLICANT: Penn, Sharron G.
 APPLICANT: Rank, David R.
 APPLICANT: Hanzel, David K.
 APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 FILE REFERENCE: Aemica-X-1

CURRENT APPLICATION NUMBER: US/09/864-761
 CURRENT FILING DATE: 2001-05-23
 PRIOR APPLICATION NUMBER: US 60/180,312
 PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: PCT/US01/00664
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00669
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00666
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-10
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-10

PRIOR APPLICATION NUMBER: PCT/US01/00664
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00669
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00668
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00666
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00667
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00664
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00669
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00665
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00668
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00663
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00662
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00661
 PRIOR FILING DATE: 2001-01-30
 PRIOR APPLICATION NUMBER: PCT/US01/00670
 PRIOR FILING DATE: 2001-01-29
 NUMBER OF SEQ ID NOS: 49117
 SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
 SEQ ID NO: 15513
 LENGTH: 448
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: MAP TO AL031662.24
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.1
 US-09-864-761-15513

Query Match 11.3% Score 134; DB 9; Length 448;
 Best Local Similarity 100.0%; Pred. No. 6.5e-58;
 Matches 134; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 929 GAGGTGGGATGACATGTCTTCACTTCAGGGCCCTGTCCTGCAGAGGTGGC 988
 Db 286 GAGCTGGGATGACATGTGCTTCACTTCAGGGCCCTGTCCTGCAGAGGTGGC 345

Qy 989 CGCGTCCCTGGCAAGGATAATGCCCTAACCTGACTGACTGACTGACTG 1048
 Db 346 CCCCTCCCTGGCAAGGATAATGCCCTAACCTGACTGACTGACTGACTG 405

Qy 1049 AAAGAGCTGGACAG 1062
 Db 406 AAAGAGCTGGACAG 419

Query Match 8.1% Score 96; DB 9; Length 96;
 Best Local Similarity 100.0%; Pred. No. 2.2e-30;
 Matches 96; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 967 CTGCGTCCCTGGCAAGGGCTGGCCGGCTGCGAGGATTAACCCCTACCTGTGACTGT 1026
 Db 1 CTGCGTCCCTGGCAAGGGCTGGCCGGCTGCGAGGATTAACCCCTACCTGTGACTGT 60

Qy 1027 GCAGGGACACCTCACCTGAAAGACCTGACAG 1062
 Db 61 GCAGGGACACCTCACCTGAAAGACCTGACAG 96

RESULT 11
 US-09-864-761-19612
 ; Sequence 19612, Application US/09864761
 ; Patent No. US002004876A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharron G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; APPLICANT: Chen, Wensheng
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR FILE REFERENCE: Aeomics-X-1
 ; CURRENT APPLICATION NUMBER: US/09/864,761
 ; CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312
 ; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366
 ; PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04

RESULT 12
 US-09-814-353-17314
 ; Sequence 17314, Application US/09814353
 ; Publication No. US2003016583A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lee, John
 ; APPLICANT: Thompson, Pamela
 ; APPLICANT: Lillie, James
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND

/ TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
 / FILE REFERENCE: MRI-006B
 / CURRENT APPLICATION NUMBER: US/09/814,353
 / CURRENT FILING DATE: 2001-03-21
 / PRIORITY FILING DATE: 2000-03-21
 / PRIORITY FILING NUMBER: US 60/191,031
 / PRIORITY FILING DATE: 2000-03-21
 / PRIORITY FILING NUMBER: US 60/207,124
 / PRIORITY FILING DATE: 2000-05-25
 / PRIORITY FILING NUMBER: US 60/211,940
 / PRIORITY FILING DATE: 2000-06-15
 / PRIORITY FILING NUMBER: US 60/216,820
 / PRIORITY FILING DATE: 2000-07-07
 / PRIORITY FILING NUMBER: US 60/220,661
 / PRIORITY FILING DATE: 2000-07-25
 / PRIORITY FILING NUMBER: US 60/257,672
 / PRIORITY FILING DATE: 2000-12-21
 / NUMBER OF SEQ ID NOS: 22037
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO: 17314
 / LENGTH: 320
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / US-09-814-353-17314

Query Match 7.4%; Score 87; DB 10; Length 320;
 Best Local Similarity 100.0%; Pred. No. 7.5e-34;
 Matches 87; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 549 TGTGCTGAGCTCGGGACCATGACATCGTCTCTAGATGGCACTGTGACCG 608
 Db 103 TGTGCTGAGCTCGGGACCATGACATCGTCTCTAGATGGCACTGTGACCG 162

Qy 609 TGCTGCTGAGATCTCGGGACCATGACATCGTCTCTAGATGGCACTGTGACCG 635
 Db 163 TGCTGCTGAGATCTCGGGACCATGACATCGTCTCTAGATGGCACTGTGACCG 189

RESULT 13
 US-09-814-353-4631
 / Sequence 4631, Application US/09814353
 / Publication No. US20030165831A1
 / GENERAL INFORMATION:
 / APPLICANT: Lee, John
 / APPLICANT: Thompson, Pamela
 / APPLICANT: Lillie, James
 / TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
 / TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
 / TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
 / CURRENT APPLICATION NUMBER: US/09/814,353
 / CURRENT FILING DATE: 2001-03-21
 / PRIORITY FILING NUMBER: US 60/191,031
 / PRIORITY FILING DATE: 2000-03-21
 / PRIORITY FILING NUMBER: US 60/207,124
 / PRIORITY FILING DATE: 2000-05-25
 / PRIORITY FILING NUMBER: US 60/211,940
 / PRIORITY FILING DATE: 2000-06-15
 / PRIORITY FILING NUMBER: US 60/216,820
 / PRIORITY FILING DATE: 2000-07-07
 / PRIORITY FILING NUMBER: US 60/220,661
 / PRIORITY FILING DATE: 2000-07-25
 / PRIORITY FILING NUMBER: US 60/257,672
 / NUMBER OF SEQ ID NOS: 22037
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO: 10930
 / LENGTH: 152
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / NAME/KEY: misc_feature
 / LOCATION: 17, 102, 112
 / OTHER INFORMATION: n = A,T,C or G

US-09-814-353-10930

Query Match 6.5%; Score 77; DB 10; Length 152;
 Best Local Similarity 100.0%; Pred. No. 1.1e-28;
 Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 549 TGTGCTGAGCTCGGGACCATGACATCGTCTCTAGATGGCACTGTGACCG 608
 Db 25 TGTCGCTGAGCTCGGGACCATGACATCGTCTCTAGATGGCACTGTGACCG 84

Qy 609 TGCTGCTGAGATCTCGGGACCATGACATCGTCTCTAGATGGCACTGTGACCG 625
 Db 85 TGCTGCTGAGATCTCGGGACCATGACATCGTCTCTAGATGGCACTGTGACCG 101

RESULT 15
 US-09-339-853A-141/C
 / Sequence 141, Application US/0939853A
 / Publication No. US2004003916A1
 / GENERAL INFORMATION:
 / APPLICANT: Burgess et al.
 / TITLE OF INVENTION: No. US2004003916A1 Proteins and Nucleic Acids Encoding Same

```

; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIORITY NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIORITY NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIORITY NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIORITY NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 141
; LENGTH: 26
; TYPE: DNA
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide primer
US-09-939-853A-141

Query Match 2.2%; Score 26; DB 13; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.017; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

RESULT 16
US-09-939-853A-142
; Sequence 142, Application US/0939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIORITY NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIORITY NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIORITY NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 142
; LENGTH: 22
; TYPE: DNA
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide primer
US-09-939-853A-142

Query Match 1.9%; Score 22; DB 13; Length 22;
Best Local Similarity 100.0%; Pred. No. 1.9%; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

RESULT 17
US-10-062-674-2188/c
; Sequence 2188, Application US/10062674
; Publication No. US2004000559A1

Query Match 1.7%; Score 20; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 21%; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

RESULT 18
US-09-939-853A-140/c
; Sequence 140, Application US/0939853A
; Publication No. US20040039163A1
; GENERAL INFORMATION:
; APPLICANT: Burgess et al.
; TITLE OF INVENTION: No. US20040039163A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-099
; CURRENT APPLICATION NUMBER: US/09/939,853A
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,191
; PRIOR FILING DATE: 2000-08-25
; PRIORITY NUMBER: 60/267,300
; PRIOR FILING DATE: 2001-02-08
; PRIORITY NUMBER: 60/269,961
; PRIOR FILING DATE: 2001-02-20
; PRIORITY NUMBER: 60/277,337
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 159
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 140
; LENGTH: 20
; TYPE: DNA
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide primer
US-09-939-853A-140

Query Match 1.7%; Score 20; DB 13; Length 20;
Best Local Similarity 100.0%; Pred. No. 21%; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

RESULT 19
US-10-02-632-195852/c
; Sequence 195852, Application US/10027632
; Sequence 195852, Application US/10027632

```

Publication No. US20020198371A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 TITLE OF INVENTION: Polymorphisms in the Human Genome
 FILE REFERENCE: 108827-129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-20
 PRIORITY NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIORITY NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIORITY NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIORITY NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIORITY NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIORITY NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIORITY NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325/20
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 195852
 LENGTH: 611
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-195852

Query Match Best Local Similarity 100.0%; Pred. No. 13; Length 611;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 20
 US-10-027-632-195852/c
 Sequence 195852; Application US/10027632
 Publication No. US20020198371A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 TITLE OF INVENTION: Polymorphisms in the Human Genome
 FILE REFERENCE: 108827-129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-20
 PRIORITY NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIORITY NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIORITY NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIORITY NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIORITY NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIORITY NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIORITY NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325/20
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 195852
 LENGTH: 611
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-107077

Query Match Best Local Similarity 1.7%; Score 20; DB 13; Length 672;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 21
 US-10-027-632-107077
 Sequence 107077; Application US/10027632
 Publication No. US20020198371A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 TITLE OF INVENTION: Polymorphisms in the Human Genome
 FILE REFERENCE: 108827-129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-20
 PRIORITY NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIORITY NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIORITY NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIORITY NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIORITY NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIORITY NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIORITY NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325/20
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 195852
 LENGTH: 672
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-107077

Query Match Best Local Similarity 1.7%; Score 20; DB 13; Length 672;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 22
 US-10-027-632-142058
 Sequence 142058; Application US/10027632
 Publication No. US20020198371A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 TITLE OF INVENTION: Polymorphisms in the Human Genome
 FILE REFERENCE: 108827-129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-20
 PRIORITY NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIORITY NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIORITY NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIORITY NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIORITY NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIORITY NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIORITY NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325/20
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 195852
 LENGTH: 611
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-195852

Query Match Best Local Similarity 1.7%; Score 20; DB 16; Length 611;

US-10-027-632-142058
*/ Sequence 142058, Application US/10027632
 / Publication No. US20030204075A9
 / GENERAL INFORMATION:
 / / APPLICANT: Wang, David G.
 / / TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 / / Polymorphisms in the Human Genome
 / / FILE REFERENCE: 108827.129
 / / CURRENT APPLICATION NUMBER: US/10/027,632
 / / CURRENT FILING DATE: 2002-04-30
 / / PRIOR APPLICATION NUMBER: US 60/218,006
 / / PRIOR FILING DATE: 2000-07-12
 / / PRIOR APPLICATION NUMBER: US 60/198,676
 / / PRIOR FILING DATE: 2000-04-20
 / / PRIOR APPLICATION NUMBER: US 60/193,483
 / / PRIOR FILING DATE: 2000-03-29
 / / PRIOR APPLICATION NUMBER: US 60/185,218
 / / PRIOR FILING DATE: 2000-02-24
 / / PRIOR APPLICATION NUMBER: US 60/167,363
 / / PRIOR FILING DATE: 1999-11-23
 / / PRIOR APPLICATION NUMBER: US 60/156,358
 / / PRIOR FILING DATE: 1999-09-28
 / / PRIOR APPLICATION NUMBER: US 60/146,002
 / / PRIOR FILING DATE: 1999-08-09
 / / NUMBER OF SEQ ID NOS: 325720
 / / SOFTWARE: FastSEQ for Windows Version 4.0
 / / SEQ ID NO: 142058
 / / LENGTH: 672
 / / TYPE: DNA
 / / ORGANISM: Human
 / / US-10-027-632-142058*

*Query Match 1.7%; Score 20; DB 16; Length 672;
 Best Local Similarity 100.0%; Pred. No. 12; Mismatches 0; Indels 0; Gaps 0;*

Qy 747 CCTTCCTCATCCGGAGAC 766
Db 71 CCTTCCTCATCCGGAGAC 90

RESULT 28
*US-10-027-632-142060
 / Sequence 142060, Application US/10027632
 / Publication No. US20030204075A9
 / GENERAL INFORMATION:
 / / APPLICANT: Wang, David G.
 / / TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 / / Polymorphisms in the Human Genome
 / / FILE REFERENCE: 108827.129
 / / CURRENT APPLICATION NUMBER: US/10/027,632
 / / CURRENT FILING DATE: 2002-04-30
 / / PRIOR APPLICATION NUMBER: US 60/218,006
 / / PRIOR FILING DATE: 2000-07-12
 / / PRIOR APPLICATION NUMBER: US 60/198,676
 / / PRIOR FILING DATE: 2000-04-20
 / / PRIOR APPLICATION NUMBER: US 60/193,483
 / / PRIOR FILING DATE: 2000-03-29
 / / PRIOR APPLICATION NUMBER: US 60/185,218
 / / PRIOR FILING DATE: 2000-02-24
 / / PRIOR APPLICATION NUMBER: US 60/167,363
 / / PRIOR FILING DATE: 1999-11-23
 / / PRIOR APPLICATION NUMBER: US 60/156,358
 / / PRIOR FILING DATE: 1999-09-28
 / / PRIOR APPLICATION NUMBER: US 60/146,002
 / / PRIOR FILING DATE: 1999-08-09
 / / NUMBER OF SEQ ID NOS: 325720
 / / SOFTWARE: FastSEQ for Windows Version 4.0
 / / SEQ ID NO: 142060
 / / LENGTH: 672
 / / TYPE: DNA
 / / ORGANISM: Human
 / / US-10-027-632-142060*

*Query Match 1.7%; Score 20; DB 16; Length 672;
 Best Local Similarity 100.0%; Pred. No. 12; Mismatches 0; Indels 0; Gaps 0;*

Qy 747 CCTTCCTCATCCGGAGAC 766
Db 71 CCTTCCTCATCCGGAGAC 90

RESULT 29
*US-10-027-632-26286
 / Sequence 26286, Application US/10027632
 / Publication No. US20030204075A9
 / GENERAL INFORMATION:
 / / APPLICANT: Wang, David G.
 / / TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 / / Polymorphisms in the Human Genome
 / / FILE REFERENCE: 108827.129
 / / CURRENT APPLICATION NUMBER: US/10/027,632
 / / CURRENT FILING DATE: 2002-04-30
 / / PRIOR APPLICATION NUMBER: US 60/218,006
 / / PRIOR FILING DATE: 2000-07-12
 / / PRIOR APPLICATION NUMBER: US 60/198,676
 / / PRIOR FILING DATE: 2000-04-20
 / / PRIOR APPLICATION NUMBER: US 60/167,363
 / / PRIOR FILING DATE: 2000-04-20
 / / PRIOR APPLICATION NUMBER: US 60/156,358
 / / PRIOR FILING DATE: 1999-09-28
 / / PRIOR APPLICATION NUMBER: US 60/146,002
 / / PRIOR FILING DATE: 1999-08-09
 / / NUMBER OF SEQ ID NOS: 325720
 / / SOFTWARE: FastSEQ for Windows Version 4.0
 / / SEQ ID NO: 142059
 / / LENGTH: 672
 / / TYPE: DNA
 / / ORGANISM: Human
 / / US-10-027-632-26286*

*Query Match 1.7%; Score 20; DB 16; Length 672;
 Best Local Similarity 100.0%; Pred. No. 12; Mismatches 0; Indels 0; Gaps 0;*

Qy 747 CCTTCCTCATCCGGAGAC 766
Db 71 CCTTCCTCATCCGGAGAC 90

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; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325/20
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 26286
; LENGTH: 711
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-26286

Query Match          1.7%; Score 20; DB 13; Length 711;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy   747 CCTTCCTCATCGGGAGAGC 766
Db   72 CCTTCCTCATCGGGAGAGC 91

RESULT 30
US-10-027-632-26286
Sequence 26286, Application US/10027632
GENERAL INFORMATION
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
NUMBER OF SEQ ID NOS: 325/20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 26286
LENGTH: 711
TYPE: DNA
ORGANISM: Human
US-10-027-632-26286

Query Match          1.7%; Score 20; DB 16; Length 711;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy   747 CCTTCCTCATCGGGAGAGC 766
Db   72 CCTTCCTCATCGGGAGAGC 91

RESULT 31
US-10-260-238-640
Sequence 640, Application US/10260238
GENERAL INFORMATION
APPLICANT: Budworth, Paul R.
APPLICANT: Moughamer, Todd G.
APPLICANT: Briggs, Steven P.
APPLICANT: Cooper, Bret
APPLICANT: Glazebrook, Jane

; APPLICANT: Goff, Stephen A.
; APPLICANT: Katagiri, Fumiyaiki
; APPLICANT: Kreps, Joe
; APPLICANT: Provert, Nicholas
; APPLICANT: Ricke, Darrell
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: PROMOTERS FOR REGULATION OF PLANT EXPRESSION
; FILE REFERENCE: 60111-NP
; CURRENT APPLICATION NUMBER: US/10/260,238
; CURRENT FILING DATE: 2002-09-16
; PRIOR APPLICATION NUMBER: US 60/325,448
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/325,277
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/370,620
; PRIOR FILING DATE: 2002-04-04
; NUMBER OF SEQ ID NOS: 6077
; SEQ ID NO: 640
; LENGTH: 934
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: N_region
; LOCATION: (618)..(618)
; OTHER INFORMATION: n = any nucleotide
; FEATURE:
; NAME/KEY: N_region
; LOCATION: (622)..(622)
; OTHER INFORMATION: n = any nucleotide
; FEATURE:
; NAME/KEY: N_region
; LOCATION: (616)..(816)
; OTHER INFORMATION: n = any nucleotide
US-10-260-238-640

Query Match          1.7%; Score 20; DB 16; Length 934;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy   538 CCCGGCCGAGCTGCTGCTGA 557
Db   421 CCCGGCCAGCTGTGCTGA 440

RESULT 32
US-09-997-722-234
Sequence 234, Application US/09997722
GENERAL INFORMATION
APPLICANT: Morris, David
APPLICANT: Engelhardt, Eric
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
FILE REFERENCE: A-7117/RMS.DCF
CURRENT APPLICATION NUMBER: US/09/997,722
CURRENT FILING DATE: 2001-11-30
PRIOR APPLICATION NUMBER: US 09/747,377
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US 09/798,586
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 301
SOFTWARE: PatentIn version 3.1
SEQ ID NO: 234
LENGTH: 1530
TYPE: DNA
ORGANISM: Homo sapiens
US-09-997-722-234

Query Match          1.7%; Score 20; DB 12; Length 1530;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy   747 CCTTCCTCATCGGGAGAGC 766
Db   747 CCTTCCTCATCGGGAGAGC 766

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Db 449 CCTTCCTCATCGGGAGAGC 468

RESULT 33
US-10-437-39229
Sequence 39229, Application US/10437963
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovacic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wei, Wei
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21/53221/B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 39229
LENGTH: 1636
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE: OTHER INFORMATION: Clone ID: PAT_MRT4530_42790C.1
US-10-437-963-39229

Query Match 1.7%; Score 20; DB 17; Length 1636;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 53B CCCGCCGAAGCTGCTGA 557
Db 821 CCCGCCGAAGCTGCTGA 840

RESULT 34
US-10-316-515-76
Sequence 76, Application US/10316515
GENERAL INFORMATION:
APPLICANT: Alexander H. Borchers
APPLICANT: Susan M. Freier
TITLE OF INVENTION: MODULATION OF LCK EXPRESSION
FILE REFERENCE: RTS-0344
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 76
SEQ ID NO 76
LENGTH: 1879
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: US-10-316-515-76

Query Match 1.7%; Score 20; DB 17; Length 1879;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCGGGAGAGC 766
Db 500 CCTTCCTCATCGGGAGAGC 519

RESULT 35
US-10-062-674-1776
Sequence 1776, Application US/10062674
GENERAL INFORMATION:
APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.

Query Match 1.7%; Score 20; DB 16; Length 2017;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCGGGAGAGC 766
Db 549 CCTTCCTCATCGGGAGAGC 568

RESULT 36
US-09-997-722-233
Sequence 233, Application US/09997722
GENERAL INFORMATION:
APPLICANT: Engelhardt, Eric
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
FILE REFERENCE: A-71171/RMS/DCF
CURRENT APPLICATION NUMBER: US/09/997,722
CURRENT FILING DATE: 2001-11-30
PRIORITY FILING DATE: 2000-12-22
PRIORITY APPLICATION NUMBER: US 09/747,377
SEQ ID NO 233
PRIORITY FILING DATE: 2001-03-02
PRIORITY APPLICATION NUMBER: US 09/798,586
SOFTWARE: PatentIn version 3.1
LENGTH: 2032
TYPE: DNA
ORGANISM: Homo sapiens
US-09-997-722-233

Query Match 1.7%; Score 20; DB 12; Length 2032;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 747 CCTTCCTCATCGGGAGAGC 766
Db 500 CCTTCCTCATCGGGAGAGC 519

RESULT 37
US-10-166-288-27
Sequence 27, Application US/10366288
GENERAL INFORMATION:
APPLICANT: Powell, Douglas
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
AIDS AND HIV-RELATED DISORDERS USING 1414, 1481, 1553,
TITLE OF INVENTION: 34021, 1552, 1682, 1675, 12825, 9932, 5516,
TITLE OF INVENTION: 34021, 1720, 1683, 1371, 14324, 126, 270, 312, 167, 326, 18926,
TITLE OF INVENTION: 6747, 1793, 1784 OR 2045 MOLECULES
FILE REFERENCE: MFI02-025PRNONKIM
CURRENT APPLICATION NUMBER: US/10/366,288
CURRENT FILING DATE: 2003-02-13

PRIOR APPLICATION NUMBER: 60/357,391
 PRIOR FILING DATE: 2002-02-15
 PRIOR APPLICATION NUMBER: 60/380,249
 PRIOR FILING DATE: 2002-05-13
 PRIOR APPLICATION NUMBER: 60/391,306
 PRIOR FILING DATE: 2002-06-25
 PRIOR APPLICATION NUMBER: 60/406,297
 PRIOR FILING DATE: 2002-08-27
 PRIOR APPLICATION NUMBER: 60/412,007
 PRIOR FILING DATE: 2002-09-19
 PRIOR APPLICATION NUMBER: 60/417,508
 PRIOR FILING DATE: 2002-10-10
 PRIOR APPLICATION NUMBER: 60/432,318
 PRIOR FILING DATE: 2002-12-10
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 27
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-10-316-288-27

Query Match 1.7%; Score 20; DB 16; Length 2032;
 Best Local Similarity 100%; Pred. No. 11;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 747 CCTTCCTCATCCGGAGAC 766
 Db 500 CCTTCCTCATCCGGAGAC 519

RESULT 38
 US-10-316-515-4
 ; Sequence 4, Application US/10316515
 ; Publication No. US20040116365A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alexander H. Borchers
 ; APPLICANT: Susan M. Freier
 ; TITLE OF INVENTION: MODULATION OF LCK EXPRESSION
 ; FILE REFERENCE: RIS-0344
 ; CURRENT APPLICATION NUMBER: US/10/316,515
 ; CURRENT FILING DATE: 2002-12-10
 ; NUMBER OF SEQ ID NOS: 76
 ; SEQ ID NO: 4
 ; LENGTH: 2032
 ; TYPE: DNA
 ; ORGANISM: H. sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (52) . . . (1581)
 ; US-10-316-515-4

Query Match 1.7%; Score 20; DB 17; Length 2032;
 Best Local Similarity 100%; Pred. No. 11;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 747 CCTTCCTCATCCGGAGAC 766
 Db 500 CCTTCCTCATCCGGAGAC 519

RESULT 39
 US-09-805-020-3
 ; Sequence 3, Application US/09805020
 ; Publication No. US2004086384A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LEVINE, Zuriit
 ; TITLE OF INVENTION: SPLICE VARIANTS OF ONCOGENES
 ; CURRENT APPLICATION NUMBER: US/09/605,020
 ; CURRENT FILING DATE: 2001-03-13
 ; NUMBER OF SEQ ID NOS: 72

; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 3
 ; LENGTH: 2034
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)-(2034)
 ; OTHER INFORMATION: any n = a,c,g,t any unknown or other
 ; US-09-805-020-3
 Query Match 1.7%; Score 20; DB 13; Length 2034;
 Best Local Similarity 100.0%; Pred. No. 11;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 747 CCTTCCTCATCCGGAGAC 766
 Db 562 CCTTCCTCATCCGGAGAC 581

RESULT 40
 US-09-960-706-954
 ; Sequence 954, Application US/09960706
 ; Publication No. US20030134280A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Munger, William E.
 ; TITLE OF INVENTION: Identifying Drugs For and Diagnosis of Benign Prostatic Hyperplasia
 ; CURRENT APPLICATION NUMBER: US/09/960,706
 ; CURRENT FILING DATE: 2001-09-24
 ; PRIORITY NUMBER: 60/223,323
 ; PRIORITY FILING DATE: 2000-08-07
 ; PRIORITY APPLICATION NUMBER: 09/873,319
 ; PRIORITY FILING DATE: 2001-06-05
 ; NUMBER OF SEQ ID NOS: 1124
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO: 954
 ; LENGTH: 2129
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Genbank Accession No. US20030134280A1 U23852
 ; US-09-960-706-954

Query Match 1.7%; Score 20; DB 10; Length 2129;
 Best Local Similarity 100.0%; Pred. No. 11;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 747 CCTTCCTCATCCGGAGAC 766
 Db 508 CCTTCCTCATCCGGAGAC 527

RESULT 41
 US-10-305-720-1452
 ; Sequence 1452, Application US/10305720
 ; Publication No. US0040010136A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Au-Yong, Janice K.; Seilhamer, Jeffrey J.
 ; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
 ; CURRENT APPLICATION NUMBER: US/10/305,720
 ; CURRENT FILING DATE: 2002-11-26
 ; PRIORITY NUMBER: PA-0002-1 CON
 ; FILE REFERENCE: PA-0002-1 CON
 ; PRIORITY NUMBER: 09/1452
 ; PRIORITY FILING DATE: 1998-01-30
 ; NUMBER OF SEQ ID NOS: 1490
 ; SOFTWARE: PERL Program
 ; SEQ ID NO: 1452
 ; LENGTH: 2129
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:

; NAME/KEY: misc_feature
; OTHER INFORMATION: GenBank ID No. US20040010136A1 9775207
; US-10-316-515-75
Query Match 1.7%; Score 20; DB 16; Length 2129;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 747 CCTTCTCATCCGGAGAC 766
Db 508 CCTTCTCATCCGGAGAC 527

RESULT 42
US-10-316-515-75
; Sequence 75, Application US/10316515
; Publication No. US2004011636A1.
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchars
; ATTORNEY: Susan M. Freier
; TITLE OF INVENTION: MODULATION OF LCK EXPRESSION
; FILE REFERENCE: RTS-0344
; CURRENT APPLICATION NUMBER: US/10/316,515
; CURRENT FILING DATE: 2002-12-10
; NUMBER OF SEQ ID NOS: 76
; SEQ ID NO: 75
; LENGTH: 2119
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (60) . . . (1151)
; US-10-316-515-75

Query Match 1.7%; Score 20; DB 17; Length 2129;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 747 CCTTCTCATCCGGAGAC 766
Db 508 CCTTCTCATCCGGAGAC 527

RESULT 43
US-09-805-020-4
; Sequence 4, Application US/09805020
; Publication No. US20020086384A1.
; GENERAL INFORMATION:
; APPLICANT: LEVINE, Zurit
; TITLE OF INVENTION: SPLICE VARIANTS OF ONCOGENES
; FILE REFERENCE: 2786-0168P
; CURRENT APPLICATION NUMBER: US/09/805,020
; CURRENT FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 4
; LENGTH: 2282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)-(2282)
; OTHER INFORMATION: any n = a,c,g,t any unknown or other

Query Match 1.7%; Score 20; DB 13; Length 2282;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 747 CCTTCTCATCCGGAGAC 766
Db 736 CCTTCTCATCCGGAGAC 755

RESULT 44
US-09-937-722-232
; Sequence 232, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-1111/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; CURRENT FILING DATE: 2001-11-30
; PRIORITY APPLICATION NUMBER: US 09/747,377
; PRIORITY FILING DATE: 2000-12-22
; PRIORITY APPLICATION NUMBER: US 09/798,566
; PRIORITY FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 232
; LENGTH: 31842
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)-(2500)
; OTHER INFORMATION: "n" at positions 1 through 2500 can be any base.
; Qy 747 CCTTCCATCGGGAGAC 766
; Db 11316 CCTTCATCGGGAGAC 11335

RESULT 45
US-10-087-192-1438/C
; Sequence 1438, Application US/10087192
; Publication No. US2002182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; ATTORNEY: Engelhardt, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 52945/000122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIORITY APPLICATION NUMBER: US/09/747,377
; PRIORITY FILING DATE: 2000-12-22
; PRIORITY APPLICATION NUMBER: US 09/798,586
; PRIORITY FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: Past-SEQ for Windows Version 4.0
; SEQ ID NO: 1438
; LENGTH: 17787
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)-(17787)
; OTHER INFORMATION: n = A,T,C or G

Query Match 1.7%; Score 20; DB 13; Length 177587;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 210 AGATCCCTCCAGGTGAG 229
 Db 19473 AGATCCCTCCAGGTGAG 19454

RESULT 46
 US-10-412-277-3
 ; Sequence 3, Application US/10412277
 ; Publication No. US20030175791A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GUEGLER, Karl et al.
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: CLO001067DIV
 ; CURRENT APPLICATION NUMBER: US/10/412,277
 ; CURRENT FILING DATE: 2003-04-14
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: FASTSEQ for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 786431
 ; TYPE: DNA
 ; ORGANISM: Human
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)-(786431)
 ; OTHER INFORMATION: n = A,T,C or G
 US-10-412-277-3

Query Match 1.7%; Score 20; DB 15; Length 786431;
 Best Local Similarity 100%; Pred. No. 4.6;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 693 TGAGCAGGGAAACGAG 712
 Db 412751 TGAGCAGGGAAACGAG 412770

RESULT 47
 US-09-908-976-4510
 ; Sequence 4510, Application US/0908975
 ; Publication No. US20030165843A1
 ; GENERAL INFORMATION:
 ; APPLICANT: SHOSHAN, Avi
 ; APPLICANT: WASSERMAN, Alon
 ; APPLICANT: MINTZ, Eli
 ; APPLICANT: MINTZ, Liat
 ; APPLICANT: FAIGER, Simchon
 ; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPICE
 ; TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
 ; FILE REFERENCE: 36588-005
 ; CURRENT APPLICATION NUMBER: US/09/908,975
 ; CURRENT FILING DATE: 2003-07-20
 ; PRIOR APPLICATION NUMBER: US 60/287,724
 ; PRIOR FILING DATE: 2001-05-02
 ; PRIOR APPLICATION NUMBER: US 60/221,607
 ; NUMBER OF SEQ ID NOS: 32337
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 4510
 ; LENGTH: 65
 ; TYPE: DNA
 ; ORGANISM: Rattus norvegicus
 US-09-908-976-4510

Query Match 1.6%; Score 19; DB 10; Length 65;
 Best Local Similarity 100%; Pred. No. 56;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 395 ACAATGGAACTTGCCA 413
 Db 2 ACATGGAACTTGCCA 20

RESULT 48
 US-09-854-761-30106/C
 ; Sequence 30106, Application US/09864761
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharron G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanezel, David K.
 ; APPLICANT: Chen, Wenshang K.
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR MICROARRAY
 ; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
 ; FILE REFERENCE: Aemica-X-1
 ; CURRENT APPLICATION NUMBER: US/09/864,761
 ; CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312
 ; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366
 ; PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2000-09-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR FILING DATE: 2001-01-20
 ; PRIOR APPLICATION NUMBER: PCT/US01/00664
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00669
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00665
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00663
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00662
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00661
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: US 60/234,687
 ; PRIOR FILING DATE: 2000-09-21
 ; PRIOR FILING DATE: 2000-09-21
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR FILING DATE: 2001-01-29
 ; NUMBER OF SEQ ID NOS: 49117
 ; SOFTWARE: AnnoMax Sequence Listing Engine vers. 1.1
 ; SEQ ID NO: 30106
 ; LENGTH: 114
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: MAP TO AC020596.2
 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.7
 ; OTHER INFORMATION: SWISSPROT HIT: P22757, EVALU 2.00e-09
 ; OTHER INFORMATION: EST HUMAN HIT: AW95019.1, EVALU 2.0e-55
 ; OTHER INFORMATION: NT HIT: G11431079, EVALU 5.00e-58
 US-09-854-761-30106

Query Match 1.6%; Score 19; DB 9; Length 114;
 Best Local Similarity 100%; Pred. No. 52;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 751 CCTCATCGGGAGGCCAG 769
 Db 51 CCTCATCGGGAGGCCAG 33

RESULT 49
 US-10-072-602B-237
 ; Sequence 237, Application US/10072602B
 ; GENERAL INFORMATION: US/2003010967AA1
 ; APPLICANT: University of Utah Research Foundation
 ; APPLICANT: Cognex, Inc.
 ; APPLICANT: Oliver, Baldomero M.
 ; APPLICANT: McIntosh, J., Michael
 ; APPLICANT: Watkins, James E.
 ; APPLICANT: Garrett, Robert M.
 ; APPLICANT: Cruz, Iourdes J.
 ; APPLICANT: Grillley, Michelle
 ; APPLICANT: Schoenfeld, Robert M.
 ; APPLICANT: Walker, Craig
 ; APPLICANT: Sherry, Reshma
 ; APPLICANT: Jones, Robert M.
 ; TITLE OF INVENTION: Cone Snail Peptides
 ; FILE REFERENCE: 2314-249
 ; CURRENT APPLICATION NUMBER: US/10/072,602B
 ; CURRENT FILING DATE: 2002-02-11
 ; PRIOR APPLICATION NUMBER: US 60/267,408
 ; PRIOR FILING DATE: 2001-02-09
 ; NUMBER OF SEQ ID NOS: 638
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 237
 ; LENGTH: 510
 ; TYPE: DNA
 ; FEATURE:
 ; ORGANISM: Conus textile
 ; NAME/KEY: CDS
 ; LOCATION: (23) .. (471)
 US-10-072-602B-237
 Query Match Best Local Similarity Score 19; DB 15; Length 510;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 392 GGAACATGGAAAGTGTGC 410
 Db 390 GGAACATGGAAAGTGTGC 408

RESULT 50
 US-09-764-113565/C
 ; Sequence 13565, Application US/09864761
 ; Patent No. US/2004/876A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Penn, Sharron G.
 ; APPLICANT: Rank, David R.
 ; APPLICANT: Hanzel, David K.
 ; APPLICANT: Chen, Wenheng
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEAR ACID PROBES USEFUL FOR
 ; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
 ; FILE REFERENCE: Aeomics-X-1
 ; CURRENT APPLICATION NUMBER: US/09/864,761
 ; PRIOR FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: GB 24263.6
 ; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207,456
 ; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 09/632,366
 ; PRIOR FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180,312
 ; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359
 ; PRIOR FILING DATE: 2001-01-27
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666
 ; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667
 ; PRIOR APPLICATION NUMBER: PCT/US01/00668

Query Match Best Local Similarity Score 19; DB 9; Length 1033;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 696 GCAGGGAAAGCAGAGGA 714
 Db 931 GCAGGGAAAGCAGAGGA 913

RESULT 52
US-10-027-632-118578/C
; Sequence 118578, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 10827.129
; CURRENT FILING DATE: US/10/027,632
; CURRENT FILING DATE: 2002-04-10
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 118578
; LENGTH: 1125
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-118578

Query Match 1.6%; Score 19; DB 13; Length 1125;
Best Local Similarity 100%; Pred. No. 38;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 964 GCCCTGTGTCAGAGG 982
Db 926 GCCCTGTGTCAGAGG 908

RESULT 53
US-10-027-632-118578/C
; Sequence 118578, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 10827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 118578
; LENGTH: 1125
; TYPE: DNA

RESULT 54
US-10-424-599-55347
; Sequence 55347, Application US/10424599
; Publication No. US2004001072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5323)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO: 55347
; LENGTH: 1133
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_20990C.1
US-10-424-599-55347

RESULT 55
US-10-354-358-11
; Sequence 11, Application US/10354358
; Publication No. US20030157082A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc
; APPLICANT: Hunter, John Joseph
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Tsai, Fong-Ying
; APPLICANT: Leson, Andrea
; APPLICANT: Lightcap, Eric S.
; APPLICANT: Williamson, Mark
; APPLICANT: Rudolph-Owen, Laura A.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: CANCER USING 1470, 1682, 17667, 9891, 6428,
; TITLE OF INVENTION: 7181, 7660, 25651, 63583, 49853, 8897, 1682, 17667, 9235,
; TITLE OF INVENTION: 3703, 14171, 10339, 1660, 1450, 1884, 2088, 32427, 2160,
; TITLE OF INVENTION: 9255, 9389, 1642, 85669, 10297, 154, 9525, 14124, 4459,
; TITLE OF INVENTION: 8910, 2100, 9288, 64638, 10480, 20893, 33230, 1584, 9943,
; TITLE OF INVENTION: 16334, 68862, 9011, 14031, 6178, 21225, 1420, 32236, 2099,
; TITLE OF INVENTION: 2150, 26583, 2784, 8941, 9811, 27444, 50566 OR 664428 MOLECULES
; FILE REFERENCE: MP10-021RNOMIN
; CURRENT APPLICATION NUMBER: US/10/354,358
; CURRENT FILING DATE: 2003-01-30
; PRIOR APPLICATION NUMBER: US 60/353,600
; PRIOR FILING DATE: 2002-01-1
; PRIOR APPLICATION NUMBER: US 60/364,517
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/371,075

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/ PRIORITY FILING DATE: 2002-04-09
/ PRIORITY APPLICATION NUMBER: US 60/371,507
/ PRIORITY FILING DATE: 2002-04-10
/ PRIORITY APPLICATION NUMBER: US 60/372,984
/ PRIORITY FILING DATE: 2002-04-16
/ PRIORITY APPLICATION NUMBER: US 60/374,194
/ PRIORITY FILING DATE: 2002-04-19
/ PRIORITY APPLICATION NUMBER: US 60/382,995
/ PRIORITY FILING DATE: 2002-05-24
/ PRIORITY APPLICATION NUMBER: US 60/385,023
/ PRIORITY FILING DATE: 2002-05-31
/ PRIORITY APPLICATION NUMBER: US 60/388,853
/ PRIORITY FILING DATE: 2002-06-14
/ PRIORITY APPLICATION NUMBER: US 60/389,395
/ PRIORITY FILING DATE: 2002-06-17
/ Remaining Prior Application data removed - See File Wrapper or PALLI
/ NUMBER OF SEQ ID NOS: 122
/ SOFTWARE: PastSeq for Windows Version 4.0
/ SEQ ID NO: 11
/ LENGTH: 1467
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1) ... (1467)
/ US-10-354-358-11

Query Match          1..6%; Score 19; DB 15; Length 1467;
Best Local Similarity 100.0%; Pred. No. 36; Mismatches 0; Indels 0; Q
Matches 19; Conservative 0; 0;

Qy      742 AGGGCCCTTCCTATCCCG 760
Db      423 AGGGCCCTTCCTATCCCG 441

RESULT 56
US-10-280-576-25
/ Sequence 25, Application US/10280576
/ Publication No. US20040044405A1
/ GENERAL INFORMATION:
/ APPLICANT: WOLFF, Matthew R.
/ TITLE OF INVENTION: VASCULAR STENT OR GRAFT COATED OR IMPREGNATED W
/ FILE REFERENCE: 09820-189
/ CURRENT APPLICATION NUMBER: US10/280,576
/ CURRENT FILING DATE: 2002-10-22
/ PRIORITY APPLICATION NUMBER: 60/343,732
/ PRIORITY FILING DATE: 2001-10-25
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: Patentin version 3.1
/ SEQ ID NO: 25
/ LENGTH: 1490
/ TYPE: DNA
/ ORGANISM: Mus musculus
/ US-10-280-576-25

Query Match          1..6%; Score 19; DB 13; Length 1490;
Best Local Similarity 100.0%; Pred. No. 36; Mismatches 0; Indels 0; Q
Matches 19; Conservative 0; 0;

Qy      742 AGGGCCCTTCCTATCCCG 760
Db      434 AGGGCCCTTCCTATCCGG 452

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; APPLICANT: COURTBIDGE, SARA
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF SAD RELATED DISORDERS
; FILING REFERENCE: 034536-0497
; CURRENT APPLICATION NUMBER: US/10/126, 962
; PRIORITY FILING DATE: 2002-04-22
; PRIORITY APPLICATION NUMBER: 09/099, 053
; PRIORITY FILING DATE: 1998-06-17
; PRIORITY APPLICATION NUMBER: 60/049, 914
; PRIORITY FILING DATE: 1997-06-18
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 1
; LENGTH: 1548
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Unknown mammalian
; OTHER INFORMATION: nucleotide sequence

US-10-126-962-1

Query Match Score 19; DB 17; Length 1548;
Best Local Similarity 100%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy    742 AGGGCCCTCTCTATCCGG 760
Db     471 AGGGCCCTCTCATCCGG 489

RESULT 58
US-09-976-782-25
Sequence 25, Application US/09976782
Publication No. US0030190715A1
GENERAL INFORMATION:
APPLICANT: Grossé et al.
TITLE OF INVENTION: No. US20030190715A1 Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 2:402-157
CURRENT APPLICATION NUMBER: US/09/976,782
CURRENT FILING DATE: 2001-10-12
PRIORITY APPLICATION NUMBER: 60/240,113
PRIORITY FILING DATE: 2000-10-12
PRIORITY APPLICATION NUMBER: 60/240,662
PRIORITY FILING DATE: 2000-10-16
PRIORITY APPLICATION NUMBER: 60/240,732
PRIORITY FILING DATE: 2000-10-16
PRIORITY APPLICATION NUMBER: 60/240,625
PRIORITY FILING DATE: 2000-10-16
PRIORITY APPLICATION NUMBER: 60/240,703
PRIORITY FILING DATE: 2000-10-16
PRIORITY APPLICATION NUMBER: 60/241,190
PRIORITY FILING DATE: 2000-10-16
PRIORITY APPLICATION NUMBER: 60/240,637
PRIORITY FILING DATE: 2000-10-16
PRIORITY APPLICATION NUMBER: 60/240,669
PRIORITY FILING DATE: 2000-10-16
PRIORITY APPLICATION NUMBER: 60/262,455
PRIORITY FILING DATE: 2001-01-18
PRIORITY APPLICATION NUMBER: 60/240,648
PRIORITY FILING DATE: 2000-10-16
NUMBER OF SEQ ID NOS: 127
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO: 25
LENGTH: 1580
TYPE: DNA
ORGANISM: Homo sapiens

US-09-976-782-25
Query Match Score 19; DB 10; Length 1580;
Best Local Similarity 100%; Pred. No. 36;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy    742 AGGGCCCTCTCTATCCGG 760

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Db 455 AGGGCCCTTCCTCATCGG 473
 RESULT 59
 US-09-861-846-1
 Sequence 1, Application US/0961846
 / GENERAL INFORMATION:
 / PATENT NO. US2002010652A1
 / CURRENT APPLICATION NUMBER: US/09/861,846
 / CURRENT FILING DATE: 2001-05-22
 / PRIOR APPLICATION NUMBER: 09/752,821
 / PRIOR FILING DATE: 2001-01-03
 / NUMBER OF SEQ ID NOS: 4
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO 1
 / LENGTH: 1833
 / TYPE: DNA
 / ORGANISM: Human
 US-09-861-846-1

Query Match 1.6%; Score 19; DB 9; Length 1833;
 Best Local Similarity 100.0%; Pred. No. 35;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 740 GGAGGGCCTTCCTCATCC 758
 Db 157 GGAGGGCCTTCCTCATCC 175

RESULT 60
 US-10-250-463-1
 Sequence 1, Application US/10250463
 / PUBLICATION NO. US2004010675A1
 / GENERAL INFORMATION:
 / APPLICANT: PE CORPORATION (NY)
 / TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
 / TITLE OF INVENTION: NUCLEAR ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
 / TITLE OF INVENTION: AND USES THEREOF
 / FILE REFERENCE: CL001065
 / CURRENT APPLICATION NUMBER: US/10/250,463
 / CURRENT FILING DATE: 2003-07-02
 / PRIOR APPLICATION NUMBER: 09/752,821
 / PRIOR FILING DATE: 2001-01-03
 / PRIOR APPLICATION NUMBER: 09/861,846
 / PRIOR FILING DATE: 2001-05-22
 / NUMBER OF SEQ ID NOS: 4
 / SOFTWARE: FastSEQ for Windows Version 4.0
 / SEQ ID NO 1
 / LENGTH: 1833
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 US-10-250-463-1

Query Match 1.6%; Score 19; DB 17; Length 1833;
 Best Local Similarity 100.0%; Pred. No. 35;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 740 GGAGGGCCTTCCTCATCC 758
 Db 157 GGAGGGCCTTCCTCATCC 175

RESULT 61
 US-10-094-749-577
 Sequence 577, Application US/10094749
 / Publication No. US20030219741A1
 / GENERAL INFORMATION:
 / APPLICANT: ISOGAI, TAKAO

Query Match 1.6%; Score 19; DB 16; Length 2771;
 Best Local Similarity 100.0%; Pred. No. 33;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 585 CTGAGATGGAGACTGTG 603
 Db 1305 CTGAGATGGAGACTGTG 1323

RESULT 63

US-10-087-192-416
Sequence 416, Application US/10087192
Publication No. US20020182586A1.
GENERAL INFORMATION:
APPLICANT: Morris, David W.

TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER

TITLE OF INVENTION:
FILE REFERENCE: 529452000122
CURRENT APPLICATION NUMBER: US/10/087-192
CURRENT FILING DATE: 2002-03-01
PRIORITY NUMBER: US 09/747,377
PRIORITY NUMBER: 2000-12-22
PRIORITY NUMBER: US 09/798,586
PRIORITY NUMBER: 2001-03-02
NUMBER OF SEQ ID NOS: 2059
TYPE: DNA
ORGANISM: Mus musculus
SEQ ID NO: 416
LENGTH: 3103

Software: FastSEQ for Windows Version 4.0

Query Match 1.6%; Score 19; DB 13; Length 3103;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 19; Conservative 0; Mismatches 0; Gaps 0;

Qy 320 CAGAGCTGCTTCCCAAGC 338
Db 960 CAGAGCTGCTTCCCAAGC 978

RESULT 64

US-10-369-493-46381/C
Sequence 46381, Application US/10369493
Publication No. US20030233675A1.
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei

APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xianfeng

TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES

FILE REFERENCE: 38-10(54052)B
CURRENT APPLICATION NUMBER: US/10/369,493
CURRENT FILING DATE: 2003-02-28
PRIORITY NUMBER: US 60/360,039
PRIORITY NUMBER: 2002-02-21
NUMBER OF SEQ ID NOS: 47374
LENGTH: 4207

TYPE: DNA
ORGANISM: Schizosaccharomyces pombe
SEQ ID NO: 46381
LENGTH: 4207

Query Match 1.6%; Score 19; DB 16; Length 4207;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 19; Conservative 0; Mismatches 0; Gaps 0;

Qy 411 CCAGCAGAGAAATCTCT 429
Db 3095 CCACCAAGAAATCTCT 3077

RESULT 65

US-10-359-49-46381
Sequence 46381, Application US/1035949
Publication No. US20040005559A1.
GENERAL INFORMATION:
APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.

TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
 i TITLE OF INVENTION: CANCER
 i FILE REFERENCE: 529452000122
 i CURRENT APPLICATION NUMBER: US/10/087,192
 i PRIOR APPLICATION NUMBER: US 09/03/01
 i PRIORITY FILING DATE: 2002-12-22
 i PRIOR APPLICATION NUMBER: US 09/798,586
 i PRIOR FILING DATE: 2001-03-02
 i NUMBER OF SEQ ID NOS: 2059
 i SOFTWARE: Fast-SEQ for Windows Version 4.0
 i SEQ ID NO: 415
 i LENGTH: 189158
 i TYPE: DNA
 i ORGANISM: *Mus musculus*
 i FEATURE:
 i NAME/KEY: misc feature
 i LOCATION: (1)..(189158)
 i OTHER INFORMATION: n = A,T,C or G
 i US-10-087-192-415

Query Match
 Best Local Similarity 1.6%; Score 19; DB 13; Length 189158;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 320 CAGAGCTCTTCCCAAGC 338
 Db 166937 CAGAGCTCTTCCCAAGC 166955

RESULT 68
 US-09-738-626-3261
 i Sequence 3261, Application US/09738626
 i Publication No. US20020197605A1
 i GENERAL INFORMATION:
 i APPLICANT: NAKAGAWA, SATOSHI
 i APPLICANT: MIZOGUCHI, HIROKI
 i APPLICANT: ANDO, SEIKO
 i APPLICANT: YAYASHI, MIKIRO
 i APPLICANT: OCHIALI, KEIKO
 i APPLICANT: YOKOI, HARUHIKO
 i APPLICANT: TATEISHI, NAOKO
 i APPLICANT: SENCHI, AKIHIRO
 i APPLICANT: IKEDA, MASATO
 i APPLICANT: OZAKI, AKIO
 i TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 i CURRENT APPLICATION NUMBER: US/09/738,626
 i CURRENT FILING DATE: 2000-12-18
 i PRIOR APPLICATION NUMBER: JP 99/377484
 i PRIOR FILING DATE: 1999-12-16
 i PRIOR APPLICATION NUMBER: JP 00/159162
 i PRIOR FILING DATE: 2000-04-07
 i PRIOR APPLICATION NUMBER: JP 00/280988
 i PRIOR FILING DATE: 2000-08-03
 i NUMBER OF SEQ ID NOS: 7059
 i SOFTWARE: PatentIn ver. 3.0
 i SEQ ID NO: 3261
 i LENGTH: 204
 i TYPE: DNA
 i ORGANISM: *Corynebacterium glutamicum*
 i US-09-738-626-3261

Query Match
 Best Local Similarity 1.5%; Score 18; DB 9; Length 204;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1150 GATGAGGAGCTGTCTC 1167
 Db 111 GAATGAGGAGCTGTCTC 128

RESULT 71
 US-10-437-963-47957/c

US-10-437-963-26242
 i Sequence 26242, Application US/10437963
 i Publication No. US20040123343A1
 i GENERAL INFORMATION:
 i APPLICANT: La Rosa, Thomas J.
 i APPLICANT: Kovacic, David K.
 i APPLICANT: Zhou, Yihua
 i APPLICANT: Cao, Yongwei
 i APPLICANT: Wu, Wei
 i APPLICANT: Boukharov, Andrey A.
 i APPLICANT: Barbazuk, Brad
 i APPLICANT: Li, Ping
 i TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
 i Plants and Uses Thereof for Plant Improvement
 i FILE REFERENCE: 38-21(5221)B
 i CURRENT APPLICATION NUMBER: US/10/437,963
 i CURRENT FILING DATE: 2003-05-14
 i NUMBER OF SEQ ID NOS: 204966
 i SEQ ID NO: 26242
 i LENGTH: 219
 i TYPE: DNA
 i ORGANISM: *Oryza sativa*
 i FEATURE:
 i OTHER INFORMATION: Clone ID: PAT_MRT4530_31051C.1
 i US-10-437-963-26242

Query Match
 Best Local Similarity 1.5%; Score 18; DB 17; Length 219;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 428 CTGCAGGCCAACCTTG 445
 Db 128 CTGCCAACCCAACTTG 145

RESULT 70
 US-10-437-963-35410/C
 i Sequence 35410, Application US/10437963
 i Publication No. US20040123343A1
 i GENERAL INFORMATION:
 i APPLICANT: La Rosa, Thomas J.
 i APPLICANT: Kovacic, David K.
 i APPLICANT: Zhou, Yihua
 i APPLICANT: Cao, Yongwei
 i APPLICANT: Wu, Wei
 i APPLICANT: Boukharov, Andrey A.
 i APPLICANT: Barbazuk, Brad
 i APPLICANT: Li, Ping
 i TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
 i Plants and Uses Thereof for Plant Improvement
 i FILE REFERENCE: 38-21(5221)B
 i CURRENT APPLICATION NUMBER: US/10/437,963
 i CURRENT FILING DATE: 2003-05-14
 i NUMBER OF SEQ ID NOS: 204966
 i SEQ ID NO: 35410
 i LENGTH: 304
 i TYPE: DNA
 i ORGANISM: *Oryza sativa*
 i FEATURE:
 i OTHER INFORMATION: Clone ID: PAT_MRT4530_39332C.1
 i US-10-437-963-35410

Query Match
 Best Local Similarity 1.5%; Score 18; DB 17; Length 304;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 64 TCCTCCCTGGCTCGCT 81
 Db 243 TCCTCCCTGGCTCGCT 226

RESULT 71
 US-10-437-963-47957/c

```

Sequence 47957, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
    APPLICANT: La Rosa, Thomas J.
    APPLICANT: Kovalic, David K.
    APPLICANT: Zhou, Yihua
    APPLICANT: Cao, Yongwei
    APPLICANT: Wu, Wei
    APPLICANT: Boukharov, Andrey A.
    APPLICANT: Barbazuk, Brad
    APPLICANT: Li, Ping
    OTHER INFORMATION: Rice Nucleic Acid Molecules and Other Molecules Associated With
    TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
    TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
    FILE REFERENCE: 38-21(53221)B
    CURRENT APPLICATION NUMBER: US/10/437,963
    CURRENT FILING DATE: 2003-05-14
    NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 47957
LENGTH: 311
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
    OTHER INFORMATION: Clone ID: PAT_MRT4530_83695C.1
US-10-437-963-47957

Query Match      1.5%;  Score 18;  DB 17;  Length 311;
Best Local Similarity 100.0%;  Pred. No. 1.5e+02;  Indels 0;  Gaps 0;
Matches 18;  Conservative 0;  Mismatches 0;

Qy   64 TCCCTCCCTGGCTGGGT 81
Db   250 TCCCTCCCTGGCTGGGT 233

RESULT 74
US-09-918-995-8609
Sequence 8609, Application US/09918995
Publication No. US20030073623A1
GENERAL INFORMATION:
    APPLICANT: Hyseq, Inc.
    OTHER INFORMATION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
    TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
    FILE REFERENCE: 2011-756
    CURRENT APPLICATION NUMBER: US/09/918,995
    CURRENT FILING DATE: 2001-07-30
    PRIOR APPLICATION NUMBER: US/09/235,076
    PRIOR FILING DATE: 1999-01-20
    NUMBER OF SEQ ID NOS: 38054
    SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 8609
LENGTH: 402
TYPE: DNA
ORGANISM: Homo sapiens
US-09-918-995-8609

Query Match      1.5%;  Score 18;  DB 10;  Length 402;
Best Local Similarity 100.0%;  Pred. No. 1.4e+02;  Indels 0;  Gaps 0;
Matches 18;  Conservative 0;  Mismatches 0;

Qy   416 AGAGCAAAATCTCTGCCA 433
Db   3 AGAGCAAAATCTCTGCCA 20

RESULT 75
US-09-983-965-1815
Sequence 1815, Application US/09983965
Patent No. US20030137160A1
GENERAL INFORMATION:
    APPLICANT: Warren, Wesley C.
    APPLICANT: Tao, Ningbing
    APPLICANT: Byatt, John C.
    APPLICANT: Marbialagan, Nagappan
    OTHER INFORMATION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
    TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
    Sequence 84460, Application US/10437963
    Sequence 84460/C

```


TITLE OF INVENTION: FROM VARIOUS cDNA LIBRARIES
; FILE REFERENCE: 20411.756
; CURRENT FILING DATE: 2001-07-30
; PRIORITY APPLICATION NUMBER: US/09/918,995
; PRIORITY FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SEQ ID NO: 26739
; LENGTH: 487
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-918-995-26739

Query Match 1.5%; Score 18; DB 10; Length 487;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Gaps 0;

Qy 654 AGTGGCCAAGTCTCCC 671
Db 448 ACCTGGCCAAGTCTCCC 465

RESULT 80
US-09-918-995-38019
Sequence 30019, Application US/09918995
Publication No. US2003073623A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
FROM VARIOUS cDNA LIBRARIES
FILE REFERENCE: 20411.756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIORITY APPLICATION NUMBER: US/09/235,076
PRIORITY FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: Fast-SEQ for Windows Version 3.0
SEQ ID NO 38019
LENGTH: 491
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1) .-(491)
OTHER INFORMATION: n = A,T,C or G
US-09-918-995-38019

Query Match 1.5%; Score 18; DB 10; Length 491;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; Gaps 0;

Qy 416 AGAGAGAAATCTCTGCCA 433
Db 416 AGAGAGAAATCTCTGCCA 433

RESULT 81
US-10-027-632-270409
Sequence 270409, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIORITY APPLICATION NUMBER: US 60/218,006
PRIORITY FILING DATE: 2000-07-12
PRIORITY APPLICATION NUMBER: US 60/198,676
PRIORITY FILING DATE: 2000-04-20
PRIORITY APPLICATION NUMBER: US 60/193,483
PRIORITY FILING DATE: 2000-03-23
PRIORITY APPLICATION NUMBER: US 60/185,218
PRIORITY FILING DATE: 2000-02-24
PRIORITY APPLICATION NUMBER: US 60/167,363
PRIORITY FILING DATE: 1999-11-23
PRIORITY APPLICATION NUMBER: US 60/156,358
PRIORITY FILING DATE: 1999-09-38
PRIORITY FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: Fast-SEQ for Windows Version 4.0
SEQ ID NO 270409
LENGTH: 497
TYPE: DNA
ORGANISM: Human
US-10-027-632-270409

Query Match 1.5%; Score 18; DB 16; Length 497;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 269 CCAGAAGGGCCCCAACG 286
Db 277 CCAGAAGGGCCCCAACG 294

RESULT 82
US-10-027-632-270409
Sequence 270409, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIORITY APPLICATION NUMBER: US 60/218,006
PRIORITY FILING DATE: 2000-07-12
PRIORITY APPLICATION NUMBER: US 60/198,676
PRIORITY FILING DATE: 2000-04-20
PRIORITY APPLICATION NUMBER: US 60/193,483
PRIORITY FILING DATE: 2000-03-23
PRIORITY APPLICATION NUMBER: US 60/185,218
PRIORITY FILING DATE: 2000-02-24
PRIORITY APPLICATION NUMBER: US 60/167,363
PRIORITY FILING DATE: 1999-11-23
PRIORITY APPLICATION NUMBER: US 60/156,358
PRIORITY FILING DATE: 1999-09-38
PRIORITY FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: Fast-SEQ for Windows Version 4.0
SEQ ID NO 270409
LENGTH: 497
TYPE: DNA
ORGANISM: Human
US-10-027-632-270409

Query Match 1.5%; Score 18; DB 16; Length 497;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 269 CCAGAAGGGCCCCAACG 286
Db 277 CCAGAAGGGCCCCAACG 294

RESULT 83
US-10-027-632-284851/C
Sequence 284851, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIORITY APPLICATION NUMBER: US 60/218,006
PRIORITY FILING DATE: 2000-07-12
PRIORITY APPLICATION NUMBER: US 60/198,676
PRIORITY FILING DATE: 2000-04-20
PRIORITY APPLICATION NUMBER: US 60/193,483

APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIORITY APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-13
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 284851
LENGTH: 498
TYPE: DNA
ORGANISM: Human
US-10-027-632-284851

Query Match 1.5% ; Score 18; DB 13; Length 498;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 587 GAGGATGGAGACTGGTGG 604
Db 405 GAGGATGGAGACTGGTGG 388

RESULT 84
US-10-027-632-284852/C
; Sequence 284852, Application US/10027632
; Publication No. US2002019837A1
; GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIOR FILING DATE: 2000-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-02-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 284852
LENGTH: 498
TYPE: DNA
ORGANISM: Human
US-10-027-632-284852

Query Match 1.5% ; Score 18; DB 13; Length 498;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query Match 1.5% ; Score 18; DB 13; Length 498;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 587 GAGGATGGAGACTGGTGG 604
Db 405 GAGGATGGAGACTGGTGG 388

RESULT 85
US-10-027-632-284851/C
; Sequence 284851, Application US/10027632
; Publication No. US2003024075A9
; GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIOR FILING DATE: 2000-04-30
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 284851
LENGTH: 498
TYPE: DNA
ORGANISM: Human
US-10-027-632-284851

Query Match 1.5% ; Score 18; DB 13; Length 498;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 87
US-10-027-632-143161/c
Sequence 143161, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827-129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 143161
LENGTH: 531
TYPE: DNA
ORGANISM: Human
US-10-027-632-284852

Query Match 1.5%; Score 18; DB 13; Length 498;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 587 GAGGATGGAGACTGGTGC 604
Db 405 GAGGATGGAGACTGGTGC 388

RESULT 88
US-10-027-632-143162/c
Sequence 143162, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827-129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 143161
LENGTH: 531
TYPE: DNA
ORGANISM: Human
US-10-027-632-143161

Query Match 1.5%; Score 18; DB 13; Length 531;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 89
US-10-027-632-143161/c
Sequence 143161, Application US/10027632
Publication No. US20030204073A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
CURRENT APPLICATION NUMBER: US/10/027,632
FILE REFERENCE: 108827-129
PUBLICATION NUMBER: US20030204073A9
TITLE OF INVENTION: Polymorphisms in the Human Genome
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 143161
LENGTH: 531
TYPE: DNA
ORGANISM: Human
US-10-027-632-143161

Query Match 1.5%; Score 18; DB 13; Length 531;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 897 CCTCACTCCAGGCCCTGG 914
Db 367 CCTCACTCCAGGCCCTGG 350

RESULT 90
US-10-027-632-143162/c
Sequence 143162, Application US/10027632

Publication No. US20030204075A9
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108837-129
 CURRENT APPLICATION NUMBER: US10/027,632
 CURRENT FILING DATE: 2003-04-20
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-04-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358B
 PRIOR FILING DATE: 1999-03-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 143162
 LENGTH: 531
 TYPE: DNA
 ORGANISM: Human
 US-10-027-632-143162

Query Match
 Best Local Similarity 1.5%; Score 18; DB 16; Length 531;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 897 CCTCACTCAGGCCCTGG 914
 DB 367 CCTCACTCAGGCCCTGG 350

RESULT 91
 US-10-029-386-4315
 Sequence 4315, Application US/10029386
 GENERAL INFORMATION:
 APPLICANT: Penn, Sharron G.
 APPLICANT: Hanzel, David K.
 APPLICANT: Rank, David R.
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR EXPRESSION ANALYSIS TWO
 FILE REFERENCE: AEGOMICA-X-2
 CURRENT APPLICATION NUMBER: US10/029,386
 CURRENT FILING DATE: 2001-12-20
 NUMBER OF SEQ ID NOS: 34288
 SOFTWARE: Annmax Sequence Listing Engine vers. 1.1
 SEQ ID NO: 4315
 LENGTH: 535
 TYPE: DNA
 ORGANISM: Homo sapiens
 OTHER INFORMATION: MAP TO CHR22-175,0
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.46
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
 OTHER INFORMATION: EST HUMAN HIT: B1518449_1, EVALUUE 4.00e-89
 OTHER INFORMATION: NT HIT: g14779626, EVALUE 2.00e-89
 OTHER INFORMATION: SWISSPROT HIT: O00268, EVALUE 2.00e-01
 US-10-029-386-4315

Query Match
 Best Local Similarity 1.5%; Score 18; DB 15; Length 535;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 897 CCTCACTCAGGCCCTGG 914

Db 135 CCTCACTCCAGGCCCTGG 152
 RESULT 92
 US-09-764-853-86
 Sequence 86, Application US/09764853
 PATENT NO. US20020090672A1
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 FILE REFERENCE: P206
 CURRENT APPLICATION NUMBER: US/09/764,853
 CURRENT FILING DATE: 2001-01-17
 PRIOR APPLICATION data removed - consult PALM or file wrapper
 NUMBER OF SEQ ID NOS: 939
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO: 86
 LENGTH: 544
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: SITE
 LOCATION: (176)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: SITE
 LOCATION: (177)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: SITE
 LOCATION: (178)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: SITE
 LOCATION: (179)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: SITE
 LOCATION: (500)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: SITE
 LOCATION: (190)
 OTHER INFORMATION: n equals a,t,g, or c
 NAME/KEY: SITE
 LOCATION: (522)
 OTHER INFORMATION: n equals a,t,g, or c
 US-09-764-853-86

Query Match
 Best Local Similarity 1.5%; Score 18; DB 9; Length 544;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1139 TACATCAGCTGAAATGAC 1156
 Db 462 TACATCAGCTGAAATGAC 479

RESULT 93
 US-10-027-632-282391/C
 Publication No. US20020193371A1
 GENERAL INFORMATION:
 APPLICANT: Wang, David G.
 TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
 FILE REFERENCE: 108327-129
 CURRENT APPLICATION NUMBER: US/10/027,632
 CURRENT FILING DATE: 2002-04-30
 PRIOR APPLICATION NUMBER: US 60/218,006
 PRIOR FILING DATE: 2000-07-12
 PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720

/* SOFTWARE: FastSEQ for Windows Version 4.0
/* SEQ ID NO: 282391
/* LENGTH: 561
/* TYPE: DNA
/* ORGANISM: Human
/* US-10-027-632-282391.
Query Match 1.5%; Score 18; DB 13; Length 561;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; MisMatches 0; Indels 0; Gaps 0;
Other INFORMATION: Clone ID: PAT_MRT1847_36686C.1
US-10-424-599-72725.

Query Match 1.5%; Score 18; DB 13; Length 578;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; MisMatches 0; Indels 0; Gaps 0;
Qy 388 CTGAGGACAATGGAAAG 405
Db 105 CTGAGGACAATGGAAAG 88

RESULT 94
US-10-027-282391./C
Sequence 282391, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 282391
LENGTH: 561
TYPE: DNA
ORGANISM: Human
US-10-027-632-282391.
Query Match 1.5%; Score 18; DB 16; Length 561;
Best Local Similarity 100.0%; Pred. No. 1.4e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; MisMatches 0; Indels 0; Gaps 0;
Qy 616 TGAAGTCTCAAGCACAGA 633
Db 114 TGAAGTCTCAAGCACAGA 97

/* SEQ ID NO: 72725
/* LENGTH: 578
/* TYPE: DNA
/* ORGANISM: Glycine max
/* FEATURE:
/* OTHER INFORMATION: Clone ID: PAT_MRT1847_36686C.1
/* US-10-424-599-72725.
Query Match 1.5%; Score 18; DB 13; Length 578;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; MisMatches 0; Indels 0; Gaps 0;
Qy 388 CTGAGGACAATGGAAAG 405
Db 105 CTGAGGACAATGGAAAG 88

RESULT 96
US-10-027-385-6891./C
Sequence 6891, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
FILE REFERENCE: AEOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO: 6891
LENGTH: 584
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AB023048.1
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1
OTHER INFORMATION: NT HIT: AF168055.1, EVALUE 1.10e-01
OTHER INFORMATION: SWISSPROT HIT: P39605, EVALUE 7.40e+00
OTHER INFORMATION: EST_HUMAN HIT: AA584104.1, EVALUE 2.00e-04
US-10-029-385-6891.
Query Match 1.5%; Score 18; DB 15; Length 584;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; MisMatches 0; Indels 0; Gaps 0;
Qy 893 TTCCCCCACTCCAGGCC 910
Db 130 TTCCCCCACTCCAGGCC 113

RESULT 97
US-10-027-632-264852
Sequence 264852, Application US/10027632
Publication No. US2003019837A1
GENERAL INFORMATION:
APPLICANT: Wars, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-28
NUMBER OF SEQ ID NOS: 285684
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 282391
LENGTH: 561
TYPE: DNA
ORGANISM: Human
US-10-027-632-264852.
Query Match 1.5%; Score 18; DB 15; Length 584;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 18; Conservative 0; MisMatches 0; Indels 0; Gaps 0;
Qy 893 TTCCCCCACTCCAGGCC 910
Db 130 TTCCCCCACTCCAGGCC 113

RESULT 95
US-10-424-599-72725./C
Sequence 72725, Application US/10424599
Publication No. US2004031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684

PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ For Windows Version 4.0
; SEQ ID NO: 264852
; LENGTH: 608
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-264852

Query Match 1.5%; Score 18; DB 13; Length 608;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 896 CCCTCACCCAGGCCCTG 913
Db 538 CCCTCACCCAGGCCCTG 555

RESULT 98
US-10-027-632-264852
; Sequence 264852, Application US/10027632
; Publication No. US20030204075A9

GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Sequence 108827,129 ;
; Sequence 162462, Application US/10027632
; Publication No. US20030198371A1

CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ For Windows Version 4.0
; SEQ ID NO: 264852
; LENGTH: 608
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-264852

Query Match 1.5%; Score 18; DB 16; Length 608;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 896 CCCTCACCCAGGCCCTG 913
Db 538 CCCTCACCCAGGCCCTG 555

RESULT 99
US-10-027-632-162462
; Sequence 162462, Application US/10027632
; Publication No. US20030198371A1

GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Bouharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; Title of Invention: Plants and Uses Thereof for Plant Improvements
; FILE REFERENCE: 38-21(5321)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204566
; SEQ ID NO: 93327
; LENGTH: 690
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_92264C.1
; US-10-027-632-162462/C
; Sequence 162462, Application US/10027632
; Publication No. US20030198371A1

GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Sequence 108827,129 ;
; Sequence 162462, Application US/10027632
; Publication No. US20030198371A1

CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windcws Version 4.0
; SEQ ID NO: 162462
; LENGTH: 717
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-162462

Query Match 1.5%; Score 18; DB 13; Length 717;
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 885 GCCTCACCTCCCTCAC 902
Db 155 GCCTCACCTCCCTCAC 138

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Job time : 607 secs